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NanoGroup

SRPSKI

ENGLISH

ENTER - INTERAKCIJA, ESC - IZLAZ, NAPRED - LEVI TASTER MIŠA, NAZAD - DESNI TASTER MIŠA

INTERAKTIVNI KATALOG 2026

“Nanotehnologija otkriva skrivenu lepotu mikroskopskog carstva, gde i najmanje kreacije imaju najveći potencijal za veličanstvenu budućnost.”

(Anonimni autor, 20. vek)

NANOGROUP SRBIJA

UKRATKO O NAŠOJ KOMPANIJI

Nano grupa je nova kompanija u Srbiji specijalizovana za proizvodnju i distribuciju nano premaza. Izdanak smo švedske kompanije sa dokazanim iskustvom u industriji nano tehnologije. Licencirani smo u Švedskoj i imamo jaku mrežu referenci. Ponosni smo što poslujemo u Srbiji, zemlji u koju verujemo, cenimo i volimo.

Imamo talentovan tim profesionalaca koji su posvećeni razvoju nano tehnologije. Dostupni smo za angažovanje u širokom spektru projekata koji se odnose na nano tehnologiju, sa fokusom na inovacije, proizvodnju, distribuciju i upotrebu nano premaza.

Početkom 2022. godine rodila se ideja o osnivanju kompanije, Od maja do oktobra iste godine osmišljen je i urađen biznis plan. Kompanija je registrovana u APR-u 27. aprila 2023. godine i odmah nakon toga počela sa radom.

NANOTEHNOLIGIJA

NAUKA BUDUĆNOSTI

ŠTA TO NANOTEHNOLOGIJA NUDI?

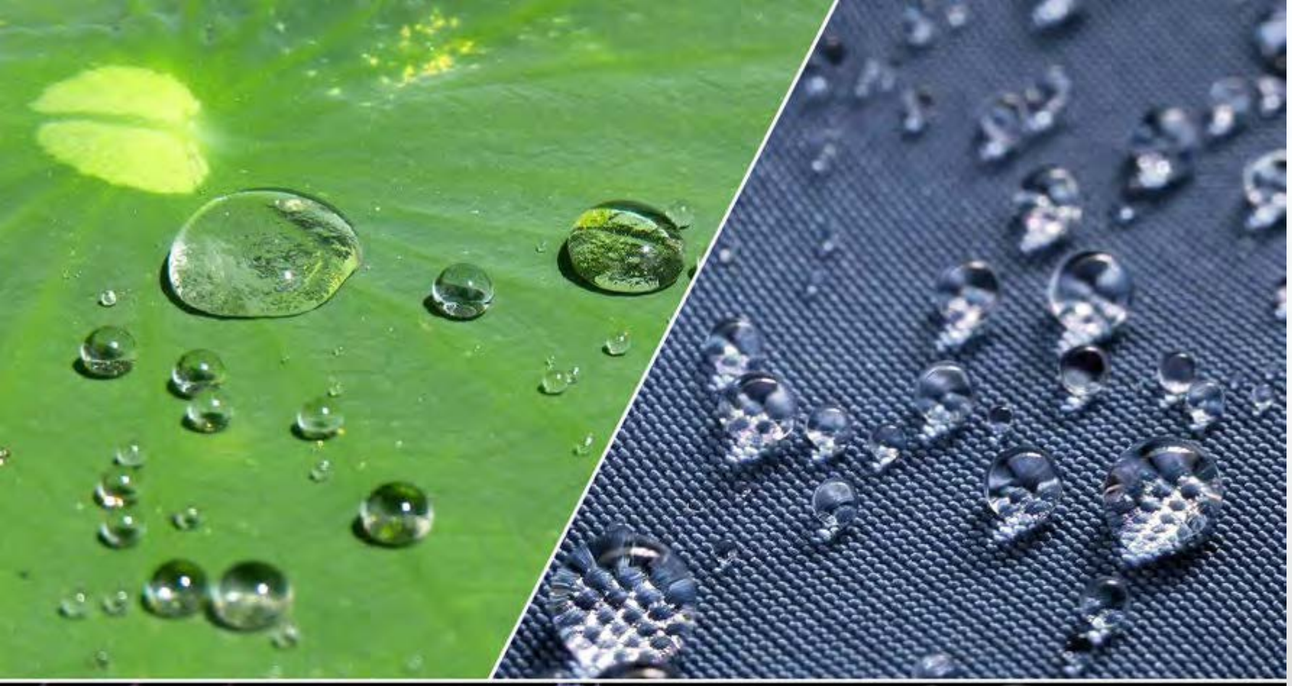
Nanotehnologija omogućva razvoj naprednih tehnika snimanja koje mogu uhvatiti zamršenu lepotu sveta nanorazmera. Na primer, tehnike mikroskopije skenirajuće sonde, kao što su mikroskopija atomske sile i skenirajuća elektronska mikroskopija, omogućavaju naučnicima da vizuelizuju i istraže izuzetne detalje nanostruktura i nanomaterijala.

Nanotehnologija omogućava projektovanje i proizvodnju materijala koji se mogu sami sastaviti na nanorazmeri. Preciznom kontrolom procesa montaže mogu nastati prelepe i složene strukture koje liče na sopstvene obrasce prirode. Ove samosastavljene nanostrukture imaju potencijal da revolucionišu različite oblasti, kao što su optika, elektronika i medicina.

Nanotehnologija omogućava manipulaciju i inženjering materijala na atomskom i molekularnom nivou. Ova sposobnost otvara svet mogućnosti za stvaranje materijala sa izuzetnim svojstvima i estetikom. Na primer, nanomaterijali poput kvantnih tačaka pokazuju živopisne i prilagodljive boje zbog svojih jedinstvenih optičkih svojstava, pružajući vizuelno zapanjujući prikaz lepote nanorazmera.

Priroda je već usavršila mnoga elegantna i lepa rešenja na nanorazmeri. Nanotehnologija crpi inspiraciju iz ovih prirodnih dizajna za stvaranje biomimetičkih struktura i sistema. Oponašajući estetiku i funkcionalnost prirode, nanotehnologija može da otključa skrivenu lepotu dok nudi praktična rešenja u oblastima kao što su energija, sanacija životne sredine i zdravstvena zaštita.

Umetnici i dizajneri uključuju nanotehnologiju u svoje kreativne procese, što rezultira jedinstvenim i vizuelno zadivljujućim umetničkim delima. Nanomaterijali, kao što su nano mastila i pigmenti u nanorazmeri, mogu se koristiti za proizvodnju slika, skulptura i instalacija koje prikazuju lepotu i mogućnosti sveta nanorazmera.



NANOTEHNOLOGIJA INSPIRISANA PRIRODOM

Nanotehnologija inspirisana prirodom može se koristiti za razvoj sistema za isporuku lekova koji oponašaju biološke procese. Nanočestice, lipozomi ili nanokapsule mogu biti konstruisane da isporučuju lekove određenim organima u telu, poboljšavajući efikasnost i smanjujući neželjene efekte. Primeri uključuju korišćenje biomimetičkih nanočestica za oponašanje virusa za ciljanu isporuku lekova.

Inspirisana sposobnostima samočišćenja listova lotosa i stopala gekona, nanotehnologija može da stvori površine sa sličnim svojstvima. Nanostrukturirani premazi se mogu nanositi na materijale, čineći ih vodoodbojnim ili samočistećim. Ove površine nalaze primenu u industrijama kao što su automobilska industrija, vazduhoplovstvo i građevinski materijali, smanjujući potrebu za čestim čišćenjem i održavanjem.

Nanotehnologija može poboljšati procese prikupljanja energije i konverzije. Na primer, bio-inspirisane solarne ćelije oponašaju fotosintetičke sisteme u biljkama kako bi poboljšale apsorpciju svetlosti i efikasnost konverzije energije. Strukture nanorazmera inspirisane leptirovim krilima ili ptičjim perjem mogu poboljšati svojstva hvatanja svetlosti solarnih panela.

Nanotehnologija inspirisana prirodom nudi inovativna rešenja za prečišćavanje vode. Nanomaterijali sa strukturama sličnim onima koji se nalaze u biološkim sistemima, kao što su ugljenične nanocevi ili grafenske membrane, mogu efikasno filtrirati i ukloniti zagađivače i desalinirati morsku vodu, rešavajući globalne izazove nestašice vode.

Prirodni materijali često poseduju izuzetna svojstva koja inspirišu razvoj biomimetičkih materijala. Na primer, paukova svila, poznata po svojoj snazi i fleksibilnosti, inspirisala je razvoj sintetičkih vlakana sličnih karakteristika. Ovi biomimetički materijali nalaze primenu u industrijama kao što su tekstil, vazduhoplovstvo i biomedicina.

Nanotehnologija se može koristiti za razvoj visoko osetljivih i selektivnih senzora. Oponašajući mirisne receptore pronađene kod životinja, nanosenzori mogu da otkriju i identifikuju specifične molekule ili gasove, omogućavajući primenu u nadgledanju životne sredine, zdravstvenoj zaštiti i bezbednosti hrane.

Mehanizmi prianjanja koji se primećuju u prirodi, kao što su stopala gekona ili lepljivi proteini dagnji, inspirišu razvoj naprednih lepkova. Nanotehnologija može da stvori sintetičke lepkove koji pokazuju jaka svojstva adhezije, čak i u teškim uslovima. Ovi lepkovi nalaze primenu u oblastima kao što su industrijska proizvodnja, robotika i medicinski uređaji.

SADRŽAJI NAŠIH PONUDA

NANO PREMAZI KAO STANDARD

Nudimo zaštitne nano premaze za: staklo, keramiku, metal, legure metala, mineralne površine, drvo, plastiku i održavanje higijene. Naši nano premazi pružaju monomolekularnu zaštitu nevidljivu golim okom. Štite predmete od korozivnih efekata okoline i zagađivača iz vazduha.

U ponudi je više vrsta komercijalnih nano premaza koji se mogu upotrebiti u automobilskoj, vazduhoplovnoj, tekstilnoj i mnoštvo drugih industrija.

ZAŠTITA HIGIJENE

Sa povećanjem broja potvrđenih slučajeva zaraze, suočavamo se sa pandemijom. Prethodno su osnovni higijenski uslovi bili dovoljni, ali sada, uprkos preduzetim higijenskim merama, mogu se pojaviti nove bakterijske ili virusne kolonije. Potrebne su nam nove higijenske mere i metode delovanja. Naši higijenski premazi značajno ubrzavaju deaktivaciju virusa i jačaju odbranu od zaraznih bolesti.

KERAMIČKI PREMAZI

Naša usluga obuhvata primenu keramičkih premaza za molekularnu zaštitu predmeta i površina. Zahvaljujući kristalnoj rešetki, koja smanjuje površinski pritisak, voda se lako otkotrljava. Za čišćenje koristimo ph-neutralna sredstva koja istovremeno štite boju tretirane površine. Primena keramičkog premaza na boju karoserije i stakla automobila značajno smanjuje troškove održavanja.

NANO ZAŠTITA

Nano premazi su dizajnirani da obezbede poboljšanu zaštitu od različitih faktora okoline, kao što su UV zračenje, voda, prljavština i korozija. Nano zaštita se može primeniti na širok spektar površina, uključujući automobilske boje, tekstil, elektroniku i metal, nudeći prednosti kao što su povećana izdržljivost, sposobnost samočišćenja, poboljšana otpornost na habanje, napredna i dugotrajna zaštita.

ZAŠTITA OD VODE

U prošlosti, nepovoljni vremenski uslovi su negativno uticali na odeću i obuću. Pokušaji su bili napravljeni da se smanji uticaj prirode korišćenjem polifluorovanih jedinjenja u spreju, ali ove tehnike su imale štetan uticaj na ekosistem. Međutim, danas postoje bolje i ekološki prihvatljivije opcije. Naša tehnologija impregnacije sprejem je pogodna za sve vrste tekstila i obuće.

NANO PREMAZI KOMPANIJE

Naši nano premazi pružaju izuzetnu zaštitu površinama formirajući tanak i izdržljiv sloj koji štiti od ogrebotina, abrazije, korozije i vremenskih uslova. Oni mogu produžiti životni vek različitih materijala, kao što su metali, plastika, staklo i keramika.

Nano premazi poseduju hidrofobna i oleofobna svojstva, što znači da odbijaju vodu i supstance na bazi ulja. Ova karakteristika ih čini idealnim za aplikacije gde je odbijanje tečnosti ključno, kao što su površine koje se same čiste i bore protiv magle ili pužaju otpornost mrljama.

Zbog svojih hidrofobnih svojstava, nano premazi olakšavaju čišćenje površina. Oni sprečavaju da prljavština i zagađivači čvrsto prianjaju na površinu, omogućavajući čišćenje bez napora i potrebu za oštrim sredstvima za čišćenje.

Jedan od naših premaza poseduje antibakterijska i antimikrobna svojstva, inhibirajući rast bakterija i mikroorganizama na površinama. Ova karakteristika je posebno korisna u zdravstvenim ustanovama, oblastima za preradu hrane i drugim sredinama gde je higijena kritična.

Nano premazi mogu pružiti efikasnu ultraljubičastu (UV) zaštitu blokiranjem štetnih UV zraka. Ova karakteristika je dragocena za primenu na otvorenom, kao što su automobilski premazi, građevinski materijali i zaštitni premazi za umetnička dela ili nameštaj.

Nano premazi mogu poboljšati optička svojstva površina, uključujući poboljšanu jasnoću, antirefleksna svojstva i povećanu transmisiju svetlosti. Oni nalaze primenu u sočivima, displejima, solarnim panelima i optičkim uređajima

Određeni nano premazi nude odlična svojstva toplotne izolacije, stvarajući barijeru koja pomaže u zadržavanju toplote ili hladnoće. Ova prednost je dragocena za izolacione premaze u zgradama, automobilske komponente i industrijsku opremu.

Naši nano premazi mogu doprineti održivosti životne sredine smanjenjem potrebe za jakim hemikalijama, opsežnim čišćenjem i čestim zamenama. Oni takođe mogu poboljšati energetsku efikasnost poboljšanjem izolacionih svojstava ili smanjenjem zahteva za održavanjem.

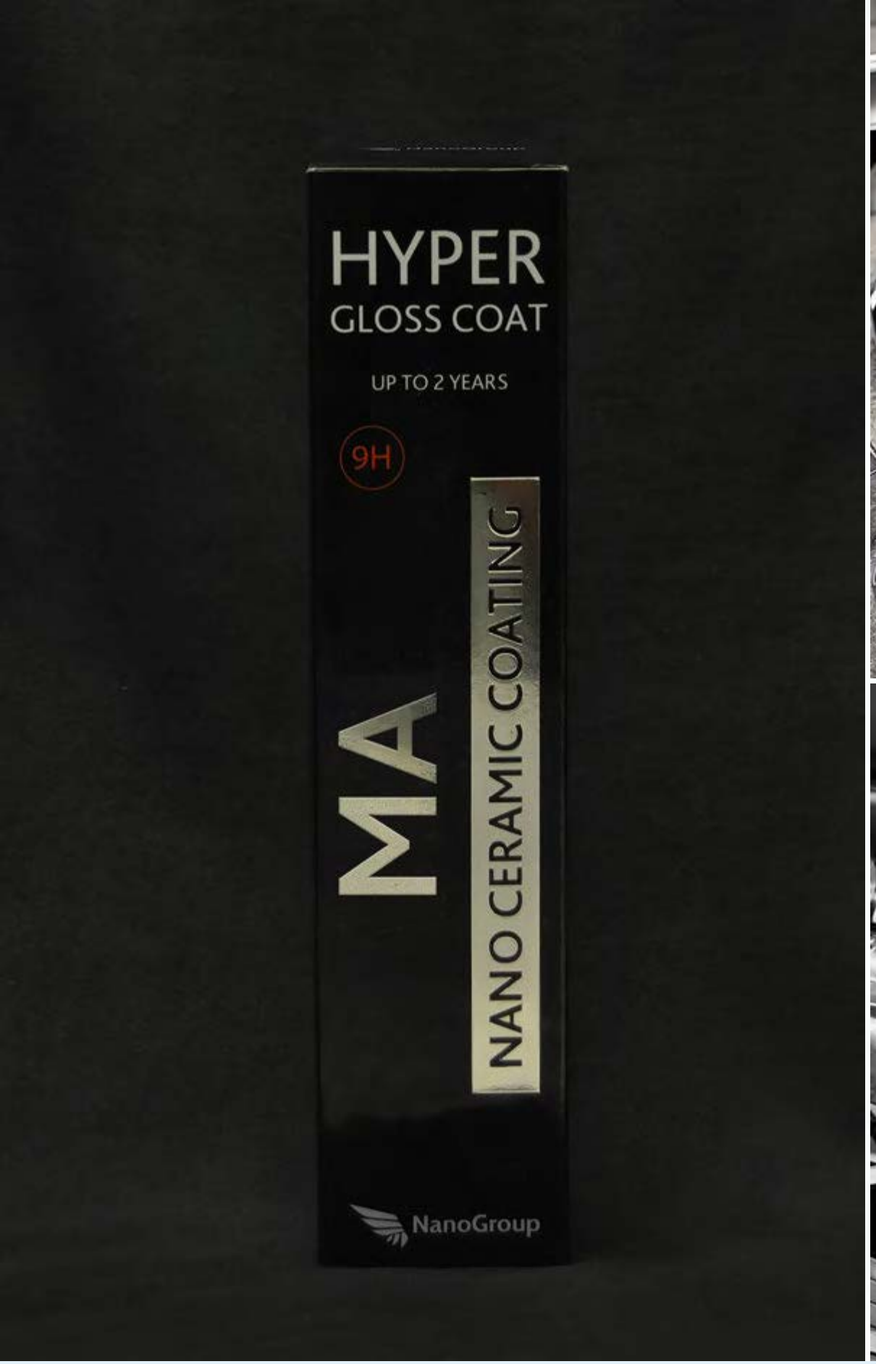







MALI DEO OD VELIKOG BROJA PREDMETA I OBJEKATA NA KOJIMA SE MOGU PRIMENITI NANOGROUP PREMAZI

NanoGroup svojim premazima pokriva širok spektar industrija. Kvalitet i postojanost su glavne karakteristike njenih proizvoda.



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MA

ZAŠTITNI NANO PREMAZ ZA METAL I LEGURE METALA

Obezbedite dugotrajnu zaštitu za vaše metale i legure metala uz MA nano premaz - pouzdanu zaštitu od spoljnih uticaja i produženu trajnost vaših materijala. Kontaktirajte nas danas i saznajte više o našim rešenjima za industrijsku zaštitu metala.

Primena ovog premaza je standardna u građevinskoj industriji, gde se koristi za zaštitu građevinskih komponenti, metalnih profila, delova mašina i uređaja, komponenti nameštaja, cevi, proizvodnih komponenti poput bojlera, šavnih cevi, gasnih cevi, magacinskih komponenti i drugih. Takođe, industrijska preduzeća koja se bave proizvodnjom metalnih i mašinskih delova, kao i preduzeća za renoviranje, održavanje i čišćenje koriste ovaj premaz za pouzdanu industrijsku zaštitu.

SPECIFIKACIJE MA NANO PREMAZA

- **Izgled**: Žućkasta tečnost,
- **Hemijska otpornost**: 1 < pH < 12,
- **Otpornost na slanu vodu**: DA,
- **Otpornost na vlagu**: DA,
- **Debljina suvog filma**: 600 - 800 nm,
- **Gustoća @23°C**: 0.816 g/m³,
- **pH vrednost**: 5.5 - 6,
- **Temperatura primene**: 5°C - 30°C (≤ 50% RH),
- **Temperaturna izdržljivost**: 275°C,
- **Kontaktni ugao vode**: 106° @10 µL,
- **Ugao klizanja vode**: 12° @20 µL,
- **Ugao kontakta sa uljem**: 89° @10 µL,
- **Rok upotrebe**: 1 godina neotvoren, 1 nedelja otvoren,
- **Pakovanje**: 50 ml, 250ml, 1L.

KARAKTERISTIKE MA NANO PREMAZA

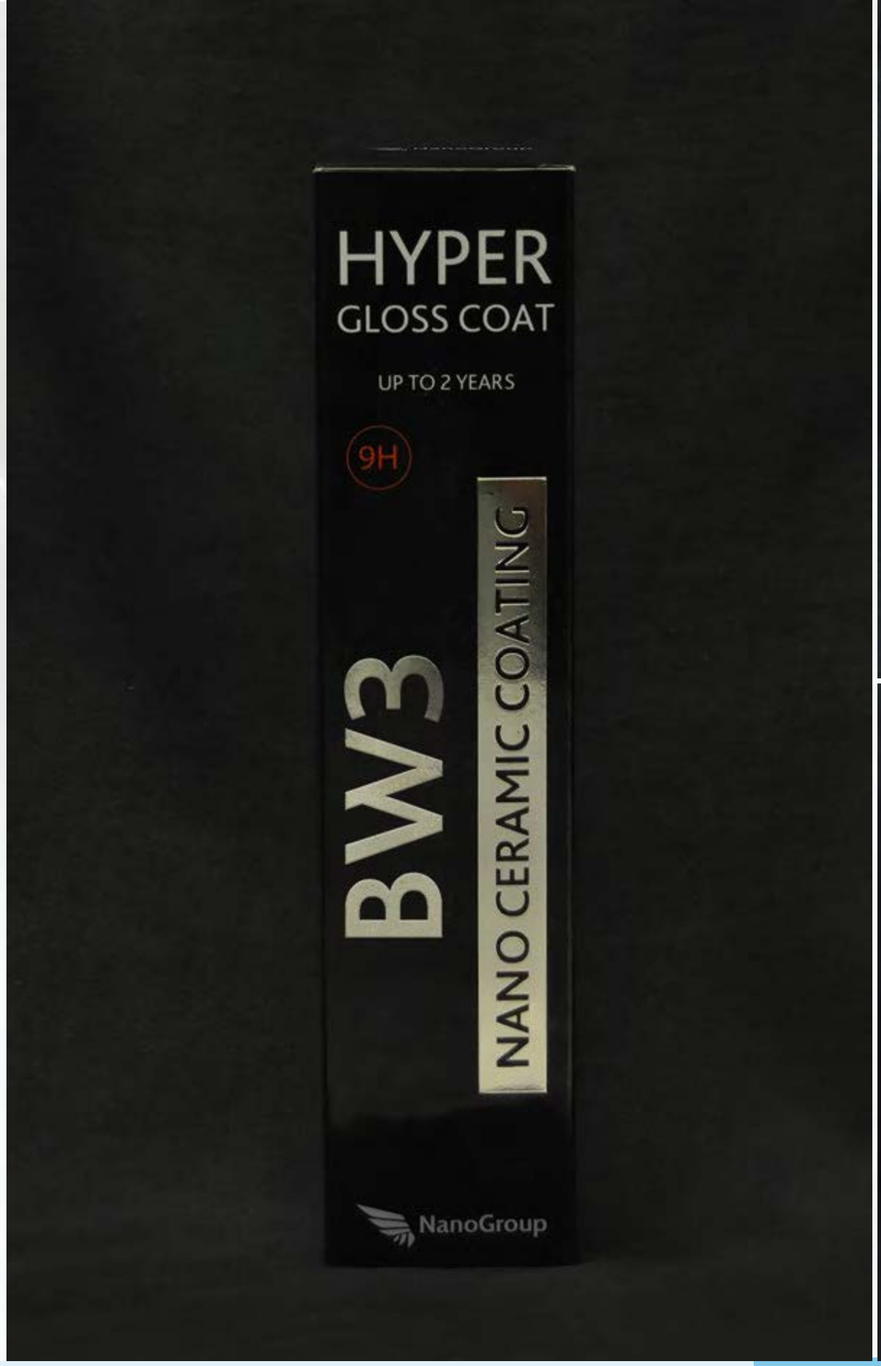
- Efekat samočišćenja,
- Hemijska otpornost,
- Odbojnost vode i ulja,
- Štiti površinu od rđe,
- Štiti površinu od ogrebotina,
- Čuva strukturu i sjaj metala,
- Štiti površinu od prljavštine, UV zračenja i niskih temperatura,
- Ne dozvoljava prljavštini da prodre u pore tretirane površine,
- Štiti površinu od prljanja, parenja, zamućenja ili zatamnjenja,
- Uspešno zamenjuje poznate brušene premaze boja,
- Štiti od razvoja bakterija, buđi i gljivica,
- Ne sadrži silikon, vosak ili ulja,
- Štedi novac za redovno čišćenje,
- Bezopasan za zdravlje.

BW3

INDUSTRIJSKI NANO PREMAZ ZA MINERALNE POVRŠINE

BW3 je industrijski nano premaz koji se posebno preporučuje za prirodne mineralne površine koje upijaju tečnost. Njegove izuzetne hidrofobne i oleofobne karakteristike pružaju vrhunsku zaštitu. Odaberite BW3 kao prvoklasno rešenje za zaštitu vaših mineralnih površina. Ovaj premaz pruža izvanredne performanse i dugotrajnu zaštitu, čineći površine otpornim na vodu, ulje i habanje.

BW3 se standardno koristi za zaštitu različitih površina, uključujući upijajuću keramiku, prirodni kamen, beton, crep, zidove, unutrašnje i spoljašnje zidne obloge, podne obloge, bazene, terase, balkone, puteve, parking prostore, benzinske stanice, trotoare, magacine, proizvodne prostorije, gradski nameštaj, istorijske objekte i umetničke skulpture. Industrijske kompanije iz oblasti građevine, pejzažnog dizajna i arhitekture, proizvođači gradskog nameštaja, proizvođači građevinskog materijala (kao što su pločice, šindre, beton, kamen, betonske ploče i blokovi itd.), kao i preduzeća za renoviranje, održavanje i čišćenje, koriste BW3 za industrijsku zaštitu objekata.



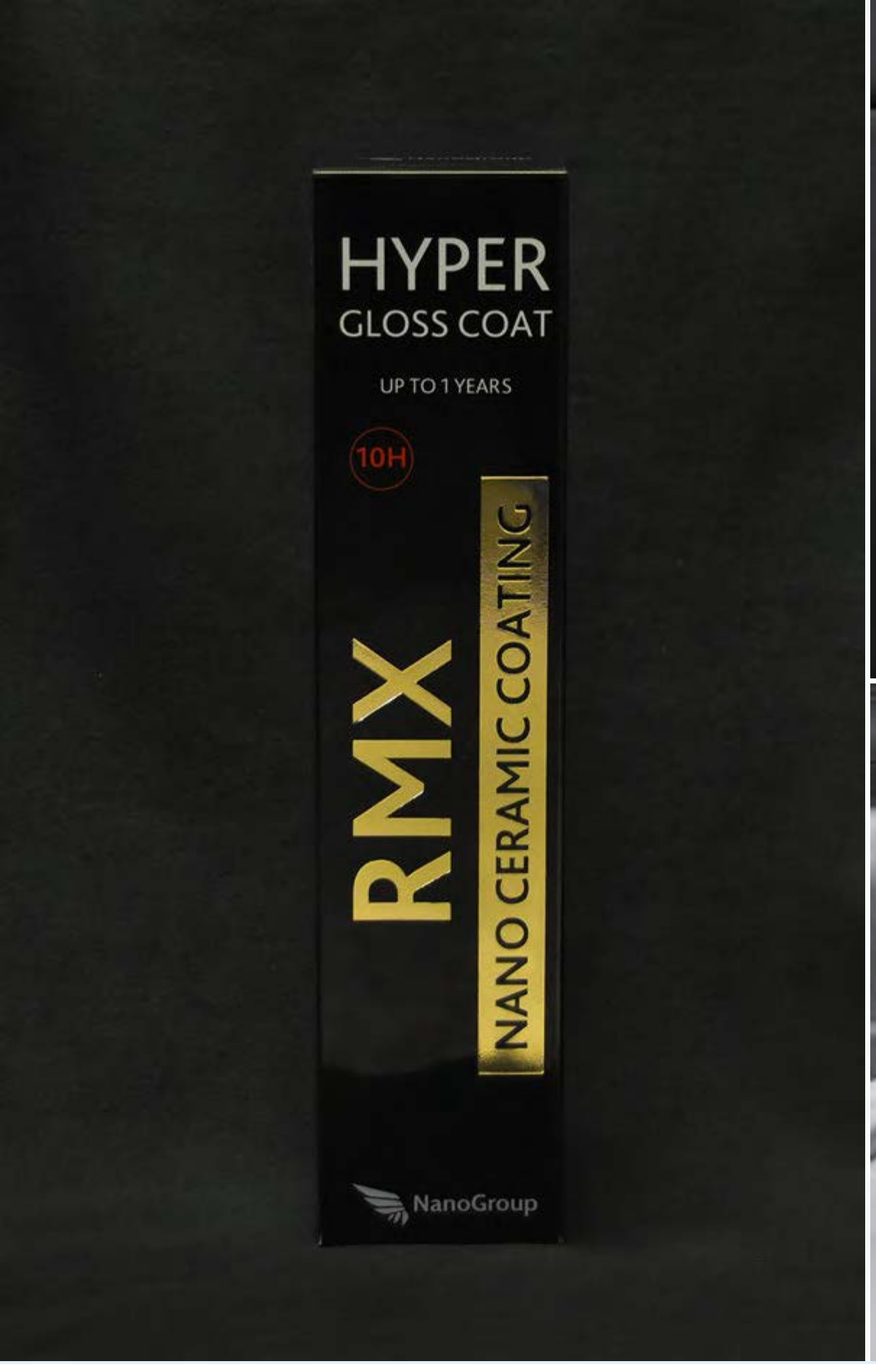
BW3

SPECIFIKACIJE BW3 NANO PREMAZA

- **Izgled**: Zamućena tečnost,
- **Bazna podloga**: Voda,
- **Hemijska otpornost**: 1 < pH < 11,
- **Debljina suvog filma**: 90 - 100 nm,
- **Potrošnja po jedinici površine**: 60 - 90 ml/m^2,
- **Gustoća @23°C**: 0.99 g/m^3,
- **pH vrednost**: 4 - 5,
- **Temperatura primene**: 5°C - 30°C (≤ 50% RH),
- **Temperaturna izdržljivost**: 250°C,
- **Kontaktni ugao vode**: 142° @10 µL,
- **Ugao klizanja vode**: 10° @60 µL,
- **Ugao klizanja ulja**: 101° @10 µL,
- **Rok upotrebe**: 2 godine neotvoren, 2 meseca otvoren,
- **Skladištenje**: do 3 godine,
- **Pakovanje**: 250 ml, 1 L, 3 L.

KARAKTERISTIKE BW3 NANO PREMAZA

- Efekat samočišćenja,
- Hemijska otpornost,
- Prozračnost premaza,
- Produžava životni vek predmeta,
- Štiti površinu od tečnosti, prljavštine, UV zračenja i niskih temperatura,
- Sprečava smrzavanje trotoara, stepeništa i drugih površina zimi,
- Štite površinu od prljanja, parenja, zamućenja ili zatamnjenja,
- Štiti površinu od pucanja na negativnim temperaturama,
- Ne dozvoljavaju prljavštini da prodre u pore tretirane površine,
- Sprečava smrzavanje trotoara, stepeništa i drugih površina zimi,
- Štiti površinu od pucanja na negativnim temperaturama,
- Štiti od razvoja bakterija, buđi i gljivica,
- Ne sadrže silikon, vosak ili ulja,
- Štedi novac za redovno čišćenje,
- Bezopasan za zdravlje.



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RMX

UNIVERZALNI NANO PREMAZ ZA ZAŠTITU POVRŠINA

Upoznajte RMX nano premaz - sveobuhvatno rešenje za zaštitu različitih površina. Bez obzira da li se radi o metalu, drvetu, plastici, staklu ili nekom drugom materijalu, RMX pruža izuzetnu zaštitu od tečnosti, ulja, ogrebotina i štetnih UV zraka. Zahvaljujući svojoj univerzalnosti, RMX je praktičan izbor za sve vrste površina. Uz RMX nano premaz, vaše površine će biti optimalno zaštićene, pružajući izdržljivost i dugotrajnost u raznim industrijskim okruženjima. Brojna oznaka uz ime označava godine zaštite.

Standardna primena RMX nano premaza obuhvata zaštitu delova mašina i uređaja, fabričkih proizvodnih prostora, gradskog nameštaja od plastike i farbe, kao i svih plastičnih i farbanih predmeta na javnim prostorima poput tribina, igrališta, semafora, znakova upozorenja, bilborda, PVC stolarije itd. Takođe, RMX se može koristiti za zaštitu farbanih plastičnih površina na letelicama, morskim plovilima i vozilima. Industrijske kompanije koje se bave proizvodnjom, plastikom, reklamom, promocijom, renoviranjem, održavanjem, čišćenjem, transportom, kao i proizvođači letelica, morskih plovila i kopnenih vozila, mogu iskoristiti prednosti RMX nano premaza za industrijsku zaštitu svojih površina.

SPECIFIKACIJE RMX3 NANO PREMAZA

- **Izgled**: Žućkasta tečnost,
- **Hemijska otpornost**: 1 < pH < 12,
- **Otpornost na slanu vodu**: DA,
- **Otpornost na vlagu**: DA,
- **Debljina suvog filma**: 600 - 800 nm,
- **Gustoća @23°C**: 0.816 g/m³,
- **pH vrednost**: 5.5 - 6,
- **Temperatura primene**: 5°C - 30°C (≤ 50% RH),
- **Temperaturna izdržljivost**: 275°C,
- **Kontaktni ugao vode**: 106° @10 µL,
- **Ugao klizanja vode**: 12° @20 µL,
- **Ugao kontakta sa uljem**: 89° @10 µL,
- **Rok upotrebe**: 1 godina neotvoren, 1 nedelja otvoren,
- **Pakovanje**: 50 ml, 250ml, 1L.

KARAKTERISTIKE RMX3 NANO PREMAZA

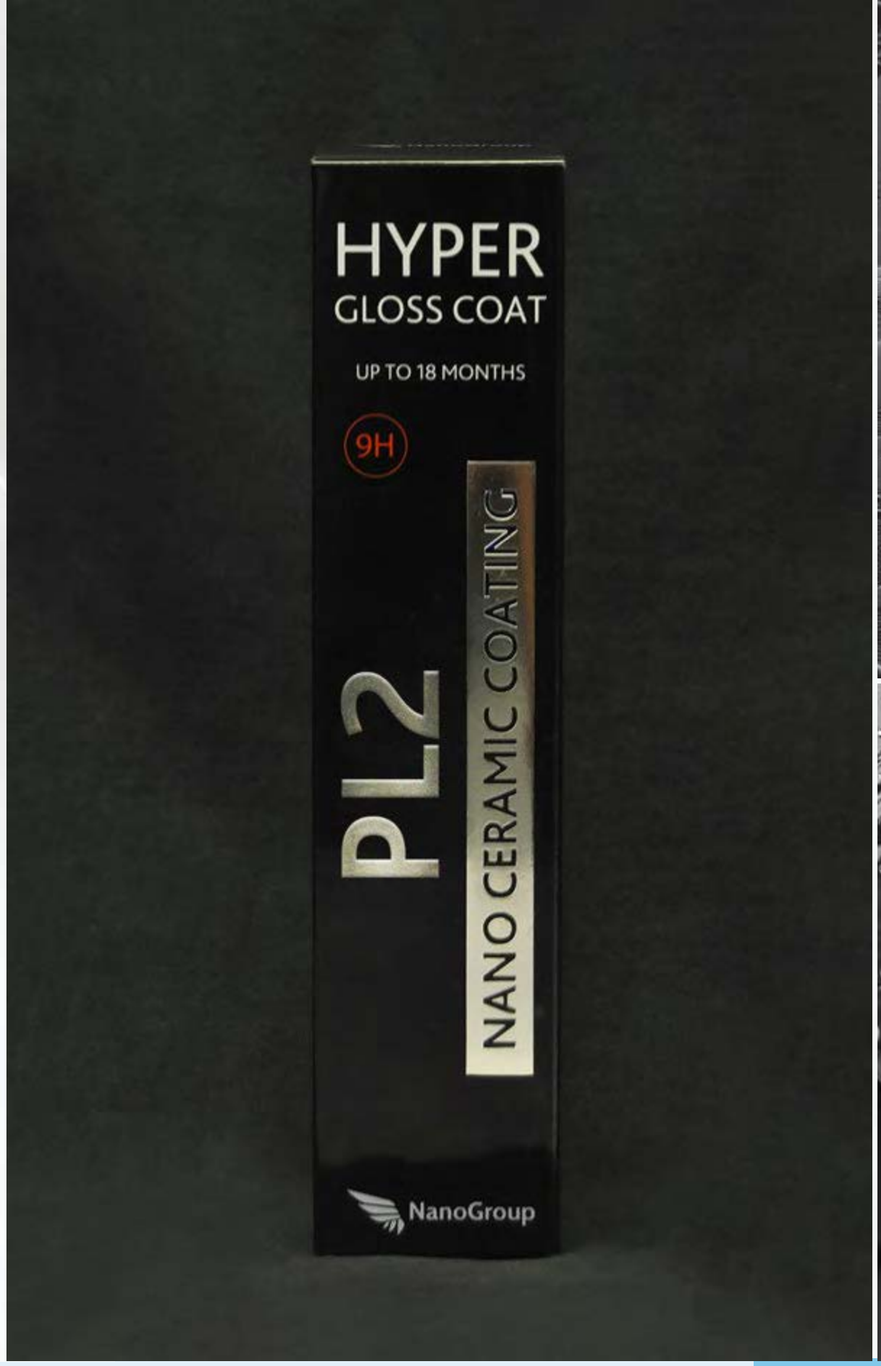
- Efekat samočišćenja,
- Hemijska otpornost,
- Odbojnost vode i ulja,
- Štiti površinu od rđe,
- Štiti površinu od ogrebotina,
- Čuva strukturu i sjaj metala,
- Štiti površinu od prljavštine, UV zračenja i niskih temperatura,
- Ne dozvoljava prljavštini da prodre u pore tretirane površine,
- Štiti površinu od prljanja, parenja, zamućenja ili zatamnjenja,
- Uspešno zamenjuje poznate brušene premaze boja,
- Štiti od razvoja bakterija, buđi i gljivica,
- Ne sadrži silikon, vosak ili ulja,
- Štedi novac za redovno čišćenje,
- Bezopasan za zdravlje.

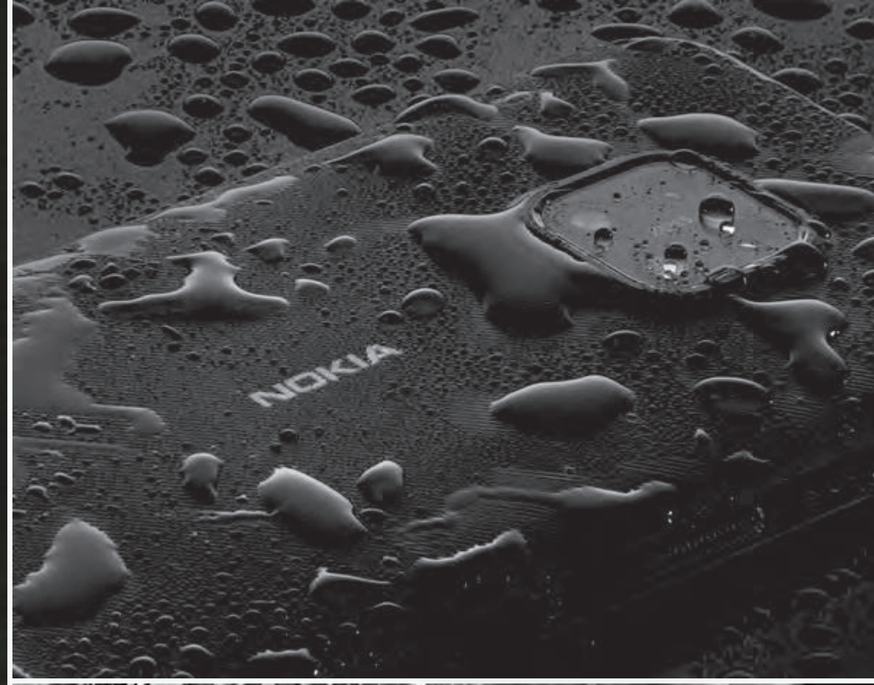
PL2

ZAŠTITNI NANO PREMAZ ZA PLASTIKU

PL2 nano premaz je izuzetno efikasan zaštitni premaz namenjen plastici. Pruža izvanrednu zaštitu plastičnim površinama od tečnosti, ulja, ogrebotina i štetnog UV zračenja. Ovaj premaz je posebno dizajniran za zaštitu kako spoljašnjih, tako i unutrašnjih plastičnih površina. Sa dugotrajnom zaštitom koja traje do dve godine, PL2 premaz čuva nov izgled tretirane plastike.

Standardna primena PL2 premaza obuhvata zaštitu različitih površina kao što su: sedišta tribina, delovi i oprema vozila, igrališta, ležaljke, plastični proizvodi na otvorenom, šatori, povrtarski plastenici itd. Industrijski se PL2 premaz koristi u različitim sektorima, uključujući: poljoprivredna preduzeća, proizvođače plastike, kompanije za renoviranje, održavanje i čišćenje, transportne kompanije, proizvođače vozila, morskih plovila i letelica itd.





PL2

SPECIFIKACIJE PL2 NANO PREMAZA

- **Izgled**: Bezbojna tečnost,
- **Hemijska otpornost**: 1 < pH < 12,
- **Otpornost na slanu vodu**: DA,
- **Otpornost na vlagu**: DA,
- **Potrošnja po jedinici površine (ručna primena)**: 5 - 8 ml/m^2,
- **Debljina suvog filma**: 700 - 1000 nm,
- **Gustoća @23°C**: 0.86 g/m^3,
- **pH vrednost**: 7,
- **Temperatura primene**: 5°C - 30°C (≤ 50% RH),
- **Kontaktni ugao vode**: 115° @10 µL,
- **Ugao klizanja vode**: 20° @20 µL,
- **Ugao kontakta sa uljem**: 34° @10 µL,
- **Stopa sjaja @60° (ISO-2813:2014)**: 80,
- **Rok upotrebe**: 1 godina neotvoren; 1 nedelja otvoren,
- **Skladištenje**: do 2 godine,
- **Pakovanje**: 50 ml, 250 ml, 1 L.

KARAKTERISTIKE PL2 NANO PREMAZA

- Efekat samočišćenja,
- Odbojnost vode i ulja,
- Hemijska otpornost,
- Lakoća čišćenja,
- Vraća boju predmetima,
- Otpornost na ogrebotine,
- Produžava životni vek površina,
- Obnavlja izgled predmeta do 2 godine,
- Štiti površinu od negativnog uticaja UV zračenja,
- Štiti površinu od tečnosti, prljavštine, niskih temperatura,
- Štiti površinu od prljanja, parenja, zamućenja ili zatamnjenja,
- Ne dozvoljava prljavštini da prodre u pore tretirane površine,
- Štiti od razvoja bakterija, buđi i gljivica,
- Ne sadrži silikon, vosak ili ulja,
- Štedi novac za redovno čišćenje,
- Bezopasan za zdravlje.

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GLC2

SOLARNI PANELI - MI IMAMO REŠENJE! - VIDEO

ZAŠTITNI NANO PREMAZ ZA STAKLO I KERAMIKU

GLC2 nano premaz je inovativno rešenje za zaštitu stakla i keramike. Pruža izuzetnu zaštitu od tečnosti, prljavštine, ulja i rasta gljivica. Ovaj premaz ima široku primenu u zaštiti staklenih i obloženih keramičkih površina.

Naša standardna primena obuhvata zaštitu različitih površina, uključujući staklene površine zgrada, balkona, tuš kabina, vitrina, prozora, vrata komercijalnih ormara, ogledala, solarnih panela, staklenih stolova i stočića za kafu, staklenih površina vozila, letelica i morskih plovila, staklenih delova mašina i uređaja, kao i fabričkih proizvodnih prostora gde je transparentnost i čistoća od ključnog značaja (kamera, senzora, sočiva, prozora za osmatranje). Takođe, pružamo zaštitu vlažnim keramičkim površinama poput bazena, kupatila i terasa, kao i keramičkim površinama poput umivaonika i toaletnih šolja. Naš GLC2 nano premaz koristi se u industriji od strane proizvođača stakla, proizvođača solarnih panela, proizvođača nameštaja, proizvođača tuš kabina, kao i kompanija za renoviranje, održavanje i čišćenje.

SPECIFIKAIJE GLC2 NANO PREMAZA

- **Izgled**: Bezbojna tečnost,
- **Hemijska otpornost**: 1 < pH < 12,
- **Debljina suvog filma**: 75 - 100 nm,
- **Potrošnja po jedinici površine**: 5 ml/m^2,
- **Gustoća @23°C**: 0,80 g/m^3,
- **pH vrednost**: 1.9 - 2.2,
- **Indeks prelamanja svetlosti**: 1.625 (staklo),
- **Temperatura primene**: 5°C - 30°C (≤ 50% RH),
- **Temperaturna izdržljivost**: 275°C,
- **Kontaktni ugao vode**: 102° @10 µL,
- **Ugao klizanja vode**: 28° @60 µL,
- **Ugao klizanja ulja**: 72° @10 µL,
- **Ugao posle vlažnog pilinga**: 96° @10 µL,
- **Temperaturna osetljivost**: -3°C do +30°C,
- **Otpornost na vlagu**: DA,
- **Otpornost na slanu vodu**: DA,
- **Usklađenost sa REACH-om**: DA,
- **Skladištenje**: do 2 godine,
- **Pakovanje**: 30 ml, 50 ml, 250 ml, 1L, 3L.

KARAKTERISTIKE GLC2 NANO PREMAZA

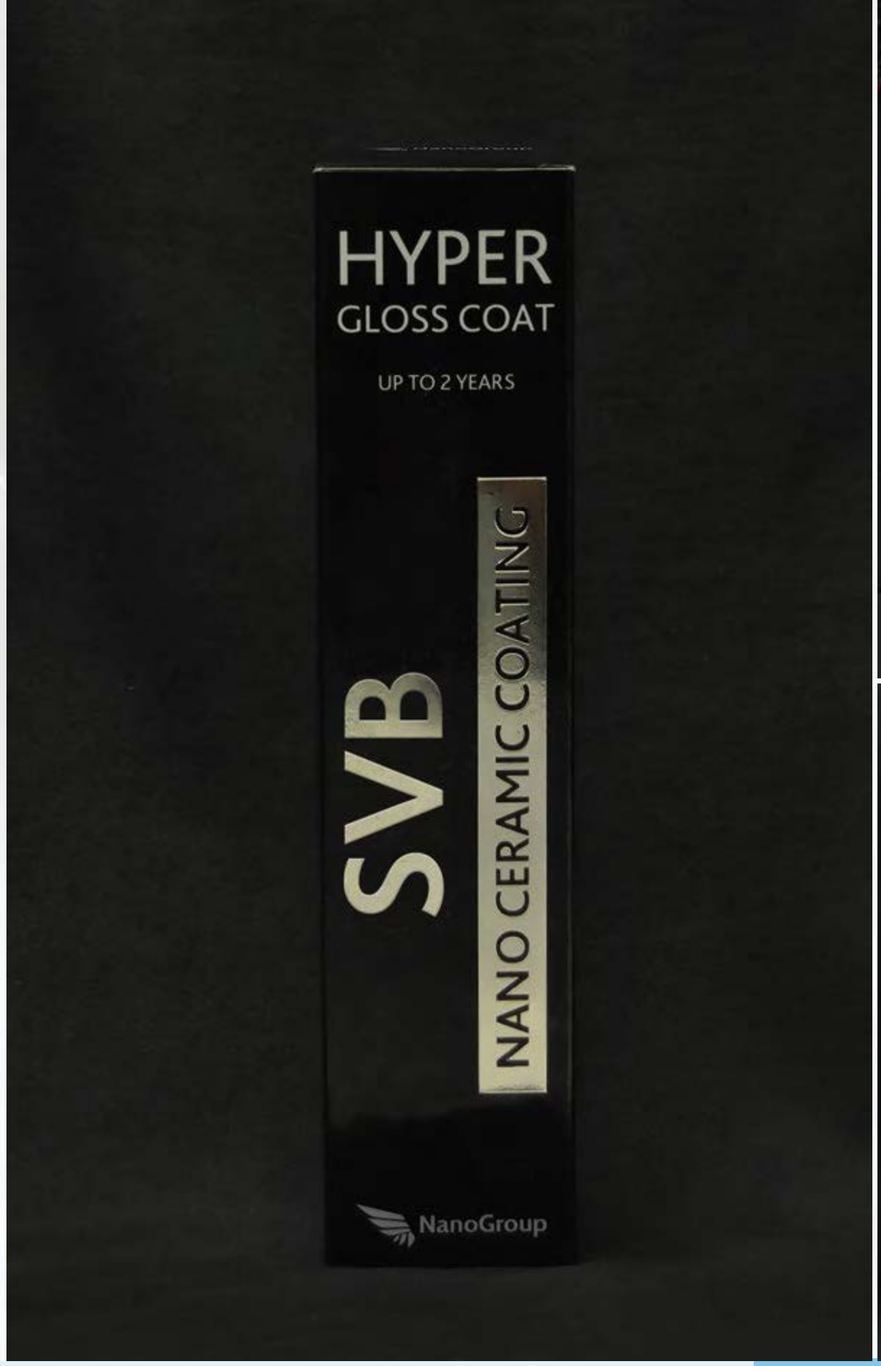
- Efekat samočišćenja,
- Otpornost na vodu i ulje,
- Otpornost na mrlje,
- Hemijska otpornost,
- UV zaštita,
- Prozračnost premaza,
- Poboljšava vidljivost,
- Lakoća čišćenja,
- Značajno smanjuje grafitnu inkrustaciju,
- Štiti površinu od razvoja bakterija i virusa,
- Štiti površinu od razvoja buđi i gljivica,
- Štiti površinu od niskih temperatura,
- Ne dozvoljava prljavštini da prodre u pore tretirane površine,
- Štiti površinu od prljanja, parenja, zamućenja ili zatamnjenja,
- Pomaže kišnici da svojim klizanjem čisti površinu,
- Smanjuje nekontrolisano curenje vode stvorene kondenzacijom,
- Nano obloženi solarni paneli proizvode do 8% više električne energije,
- Ne sadrži silikon, vosak ili ulja,
- Štedi novac za redovno čišćenje.

SVB

ANTIMIKROBNI NANO PREMAZ ZA HIGIJENSKU ZAŠTITU

SVB nano premaz je revolucionarno antimikrobno rešenje koje pruža izuzetnu zaštitu od virusa i bakterija, smanjujući potrebu za čestom dezinfekcijom. Efikasno sprečava rast virusa, bakterija, plesni, algi i gljivica, obezbeđujući visok nivo higijene.
Jedinstvenost SVB premaza leži u njegovoj neprekidnoj sposobnosti uništavanja bakterija i klica koje se talože na površini. Za razliku od običnih dezinfekcionih sredstava koja su delotvorna samo tokom primene, SVB premaz održava stalnu “stopu ubijanja“ od 99,9%. To ga čini jednim od najefikasnijih zaštitnih premaza koji su dostupni na tržištu.
Naš proizvod je ekološki prihvatljiv i ne sadrži štetne supstance kao što su PFOS/PFOA. Takođe, SVB premaz je netoksičan i u potpunosti usklađen sa REACH propisima, što garantuje sigurnost i zaštitu korisnika. Izaberite SVB: najefikasniji premaz za higijensku zaštitu površina. Obezbedite čist i bezbedan prostor uz pomoć naše inovativne tehnologije.

Standardna primena premaza obuhvata zaštitu kvaka na vratima, unutrašnjih površina liftova, gelendera, nameštaja, klima uređaja, vlažnih površina, šoping kolica, elektronskih uređaja, enterijera javnog prevoza, površina javnih prostora, učionica, medicinskih prostorija, odeće i obuće. Industrijski sektor takođe koristi našu zaštitu, uključujući opšte proizvodne kompanije, proizvođače maski, hotele, bolnice, proizvođače odeće, proizvođače tkanina i tepiha, proizvođače nameštaja, proizvođače elektronskih uređaja, proizvođače liftova, kompanije za javni prevoz, kompanije za renoviranje, održavanje i čišćenje.



SVB

SPECIFIKACIJE SVB NANO PREMAZA

- **Izgled**: Žućkasta tečnost,
- **Potrošnja**: Tkanine: 60 - 90 ml/m³, Tvrde površine: 6 - 10 ml/m³,
- **Otpornost na slanu vodu**: DA,
- **Otpornost na vlagu**: DA,
- **Gustina pri 23°C** : 0.81 g/cm³,
- **pH vrednost**: 4.5 - 5,
- **Vreme sušenja na dodir**: 6 časova,
- **Temperatura primene**: 5°C - 45°C (≤ 50% RH),
- **Rok upotrebe**: 1 godina neotvoren, 1 nedelju otvaren,
- **Temperatura skladištenja**: -3°C do +30°C,
- **Skladištenje**: do 1 godine,
- **Pakovanje**: 250 ml, 1L, 3L.

KARAKTERISTIKE SVB NANO PREMAZA

- E. Coli - 99,99%,
- Alge - 99,99%,
- Influenca A (H1N1) - 99,99%,
- Koronavirus (Covid-19) na metalu - 90% (posle 30 dana),
- Visoka ekonomičnost 60-90 ml/m³,
- Eliminiše potrebu za dezinfekcijom,
- Bez fluora,
- Antivirusna zaštita,
- Antibakterijska zaštita,
- Prozračnost premaza,
- Štiti životnu sredinu,
- Očvršćava na sobnoj temperaturi.

TX2

ZAŠTITNI NANO PREMAZ ZA TEKSTIL

Otkrijte TX2, napredni nano premaz dizajniran da zaštiti tekstilne površine od tečnosti, ulja, hemikalija, mrlja i štetnog UV zračenja. Ovaj vrhunski proizvod je posebno efikasan za visoko upijajuće tekstilne podloge, kao i prirodna vlakna i njihove mešavine, uključujući antilop, nubuk i alkantaru.
Izaberite TX2 nano premaz i sa poverenjem zaštitite svoje tekstilne površine. Nemojte praviti kompromise u pogledu kvaliteta kada je u pitanju zaštita vaših investicija. Verujte snazi TX2 da obezbedi zaštitu bez premca za vaš tekstil.

Sa TX2 nano premazom, možete uživati u zaštiti bez premca za širok spektar primena. Naša standardna aplikacija obuhvata tkane i netkane tkanine, odeću, obuću, tepihe, ćilime, stolnjake, baštenski nameštaj, tende, suncobrane, šatore, posteljinu, zavese, fotelje, stolice, ležaljke i jastuke. Takođe je idealan za javne prostore kao što su bioskopi, plaže i transportna vozila. Ne samo da je TX2 nano premaz savršen za pojedince, već mu veruju i vodeći profesionalci u industriji. Proizvođači tekstila, nameštaja, tepiha, unutrašnjosti brodova, hoteli, kompanije za renoviranje, uslužne kompanije za održavanja i čišćenje oslanjaju se na našu industrijsku zaštitu.

SPECIFIKACIJE TX2 NANO PREMAZA

- **Izgled**: Bezbojna tečnost,
- **Hemijska otpornost**: 1 < pH < 11,
- **Debljina suvog filma**: 75 - 100 nm,
- **Potrošnja po jedinici površine**: 80 - 100 ml/m^2,
- **Gustoća @23°C**: 0.805 g/m^3,
- **pH vrednost**: 5 - 6,
- **Prozračnost (EN 1062-1)**: Kategorija 1,
- **Temperatura primene**: 5°C - 30°C (≤50%RH),
- **Vodoodbojnost (ISO-4920)**: 100 / 100,
- **Kontaktni ugao vode**: 152° @10 µL,
- **Ugao posle vlažnog pilinga**: 144° @10 µL,
- **Ugao klizanja vode**: 18° @20 µL,
- **Ugao klizanja ulja**: 136° @10 µL,
- **Rok upotrebe**: 2 godine neotvoren; 1 mesec otvoren,
- **Pakovanje**: 250 ml, 1 L, 3 L.

KARAKTERISTIKE TX2 NANO PREMAZA

- Efekat samočišćenja,
- Odbojnost vode i ulja,
- UV zaštita,
- Lakoća čišćenja,
- Hemijska otpornost,
- Kasna kontaminacija,
- Produžava životni vek tekstilne površine,
- Štiti površinu od vode, tečnosti, prljavštine, hrane, blata,
- Ne dozvoljava prljavštini da prodre u pore tretirane površine,
- Štiti od razvoja bakterija, buđi i gljivica,
- Omogućava ugroženim površinama da dišu,
- Štiti antilop, nubuk i alkantaru,
- Ne sadrži silikon, vosak ili ulja,
- Štedi novac za redovno čišćenje,
- Bezopasan za zdravlje.

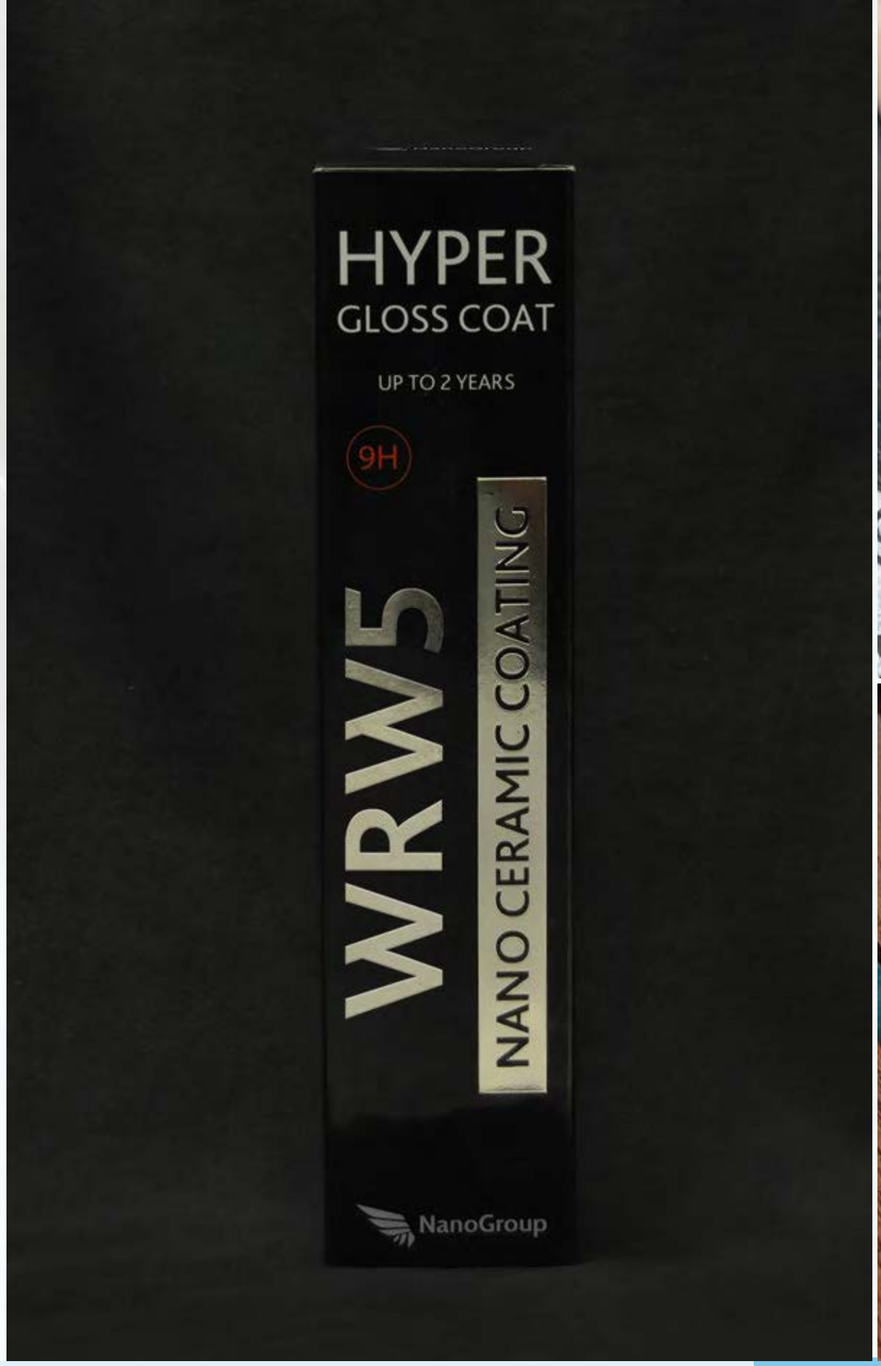
WRW5

TÜVRheinland CERTIFIED

ZAŠTITNI NANO PREMAZ ZA DRVO

Otkrijte WRW5, vrhunski nano premaz dizajniran za zaštitu drvenih površina. Ovaj napredni zaštitni premaz nudi izuzetnu otpornost na vodu, ulje, hemikalije i štetno UV zračenje. Posebno je formulisan za nanošenje na prirodno drvo i površine na bazi drveta bez ikakvog laka. Sa WRW5 nano premazom, možete da obezbedite neuporedivu zaštitu za svoje drvene površine, što ga čini nezamenljivim izborom za lične i industrijske primene.

WRW5 nano premaz pronalazi svoju idealnu upotrebu u širokom spektru aplikacija, uključujući: ograde, baštenski nameštaj, baštenske sjenice, ulični nameštaj, nelakirani nameštaj od prirodnog drveta, drvene kuće, palube i verande, drvene ukrase, umetnička dela, zidne i podne obloge itd. Ovo svestrano rešenje nije pogodno samo za individualnu upotrebu, već i za potrebe različitih industrija. Imaju poverenja i koriste ga: proizvođači drvenih predmeta kao što su parket, drvene zidne obloge i dekor, proizvođači urbanog nameštaja, proizvođači nameštaja, građevinska preduzeća, preduzeća za pejzaž i arhitekturu, kompanije za renoviranje, održavanje i čišćenje itd.



WRW5

SPECIFIKACIJE WRW5 NANO PREMAZA

- **Izgled**: Bezbojna tečnost,
- **Bazna podloga**: Voda,
- **Hemijska otpornost**: 1 < pH < 11,
- **Prozračnost premaza**: DA,
- **Potrošnja**: 70 - 100 ml/m^2,
- **Debljina suvog filma**: 60 - 70 nm,
- **Gustoća @23°C**: 1.017 g/m^3,
- **pH vrednost**: 6 - 7,
- **Temperatura primene**: 5°C - 30°C (≤ 50% RH),
- **Temperaturna izdržljivost**: 110°C ,
- **Kontaktni ugao vode**: 153.6° @10 µL,
- **Ugao klizanja vode**: 1° @20 µL,
- **Ugao kontakta sa uljem**: 80.4° @10 µL,
- **Rok upotrebe**: 2 godine neotvoren; 1 mesec otvoren,
- **Skladištenje**: do 2 godine.
- **Pakovanje**: 250 ml, 1 L, 3 L.

KARAKTERISTIKE WRW5 NANO PREMAZA

- Efekat samočišćenja,
- Odbojnost vode i ulja,
- UV zaštita,
- Hemijska otpornost,
- Otpornost na ogrebotine,
- Lakoća čišćenja,
- Štiti površine od niskih temperatura,
- Sprečava smrzavanje drvenih staza, stepeništa i drugih površina zimi,
- Štiti površine od prljanja, parenja, zamućenja ili zatamnjenja,
- Ne dozvoljava prljavštini da prodre u pore tretirane površine,
- Štiti od razvoja bakterija, buđi i gljivica,
- Omogućavaju ugroženim površinama da dišu,
- Štiti površine od pucanja na negativnim temperaturama,
- Ne sadrži silikon, vosak ili ulja,
- Štedi novac za redovno čišćenje,
- Bezopasan za zdravlje.

LNC

ZAŠTITNI NANO PREMAZ ZA POVRŠINE OD KOŽE

LNC je vrhunski nano premaz dizajniran za zaštitu kožnih površina. Ovaj napredni zaštitni premaz nudi
izuzetnu otpornost na vodu, ulje, hemikalije i štetno UV zračenje. Posebno je formulisan za nanošenje na površine od prirodne i veštačke kože.

Prednosti korišćenja LNC nano premaza za kožne površine su brojne. Prvo, značajno poboljšava vodootpornost kože, čineći je otpornijom na mrlje na bazi vode i smanjujući rizik od oštećenja vodom. Drugo, poboljšava ukupnu izdržljivost kože obezbeđujući zaštitni sloj koji pomaže u sprečavanju ogrebotina i izbledenja. Pored toga, premaz može pružiti UV otpornost, štiteći kožu od štetnih efekata sunčeve svetlosti.

Primena nano premaza za kožne površine nalazi različite primene u različitim industrijama. U automobilskom sektoru, može se koristiti za zaštitu automobilskih sedišta, volana i drugih kožnih komponenti od curenja, mrlja i habanja. U industriji mode i dodataka, može se primeniti na kožne tašne, cipele i novčanike kako bi zadržao njihov netaknuti izgled i produžio njihov životni vek. Takođe se može koristiti u proizvodnji nameštaja za zaštitu kožnih sofa, stolica i drugih presvlaka od mrlja i oštećenja.

SPECIFIKACIJE LNC NANO PREMAZA

- **Izgled:** Bezbojna tečnost,
- **Otpornost na slanu vodu:** DA,
- **Otpornost na vlagu:** DA,
- **Prozračnost premaza:** DA,
- **Hemijska otpornost:** 1 < pH < 12,
- **Potrošnja:** 30 - 45 ml/cm^2,
- **Debljina suvog filma:** 60 - 70 nm,
- **Gustoća @23°C:** 0.86 g/m^3,
- **pH vrednost:** 5 - 6,
- **Temperatura primene:** 5°C - 30°C (≤ 50% RH),
- **Temperaturna izdržljivost:** 150°C ,
- **Kontaktni ugao vode:** 117° @10 µL,
- **Ugao klizanja vode:** 18° @60 µL,
- **Ugao kontakta sa uljem:** 105° @10 µL,
- **Rok upotrebe:** 1 godina neotvoren; 2 meseca otvoren,
- **Skladištenje:** do 1 godine.
- **Pakovanje:** 250 ml, 1 L, 3 L.

KARAKTERISTIKE LNC NANO PREMAZA

- Efekat samočišćenja,
- Odbojnost vode i ulja,
- UV zaštita,
- Anti frikcija,
- Spora kontaminacija,
- Hemijska otpornost,
- Produžava životni vek površina,
- Lakoća čišćenja,
- Sprečava prenos boje,
- Zadržava izgled površina,
- Obezbeđuje zadržavanje boje,
- Obezbeđuje minimalno habanje,
- Štiti od razvoja bakterija, buđi i gljivica,
- Omogućavaju površinama da dišu,
- Ne sadrži silikon, vosak ili ulja,
- Štedi novac za redovno čišćenje,
- Bezopasan za zdravlje.

NANOGROUP - SVET NANO PREMAZA

Nanotehnologija napreduje brzo, mi smo tu da vas podržimo!

NANOGROUP

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Tel: +381 64 6167489
E-mail: nanoswedengroup@gmail.com

Štampa kataloga:

Pratite nas na:

ODABERITE PRAVI NANO PREMAZ

Iskusite snagu naših revolucionarnih nano premaza, koji pružaju vrhunsku zaštitu i povećavaju dugovečnost vaših površina.

Priključite se novoj eri napredne površinske tehnologije sa našim najsavremenijim nano premazima, koji pružaju neuporedivu izdržljivost i lako održavanje.

Internet stranica:

NANOSWEDENGROUP.RS

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SRPSKI
ENGLISH
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INTERACTIVE CATALOG 2026

“Nanotechnology reveals the hidden beauty of the microscopic realm, where the smallest creations have the greatest potential for a glorious future.”

(Anonymous, 20th century)

NANOGROUP SERBIA

BRIEFLY ABOUT OUR COMPANY

Nano Group is a new company in Serbia specialized in the production and distribution of nano coatings. We are an offshoot of a Swedish company with proven experience in the nanotechnology industry. We are licensed in Sweden and have a strong network of references. We are proud to do business in Serbia, a country we believe in, value and love.

We have a talented team of professionals who are dedicated to the development of nanotechnology.

We are available to engage in a wide range of projects related to nanotechnology, with a focus on the innovation, production, distribution and use of nanocoatings.

At the beginning of 2022, the idea of establishing a company was born. From May to October of the same year, a business plan was designed and executed. The company was registered in the APR on April 27, 2023, and started operating immediately after that.

NANOTECHNOLOGY

THE SCIENCE OF THE FUTURE

WHAT DOES NANOTECHNOLOGY OFFER?

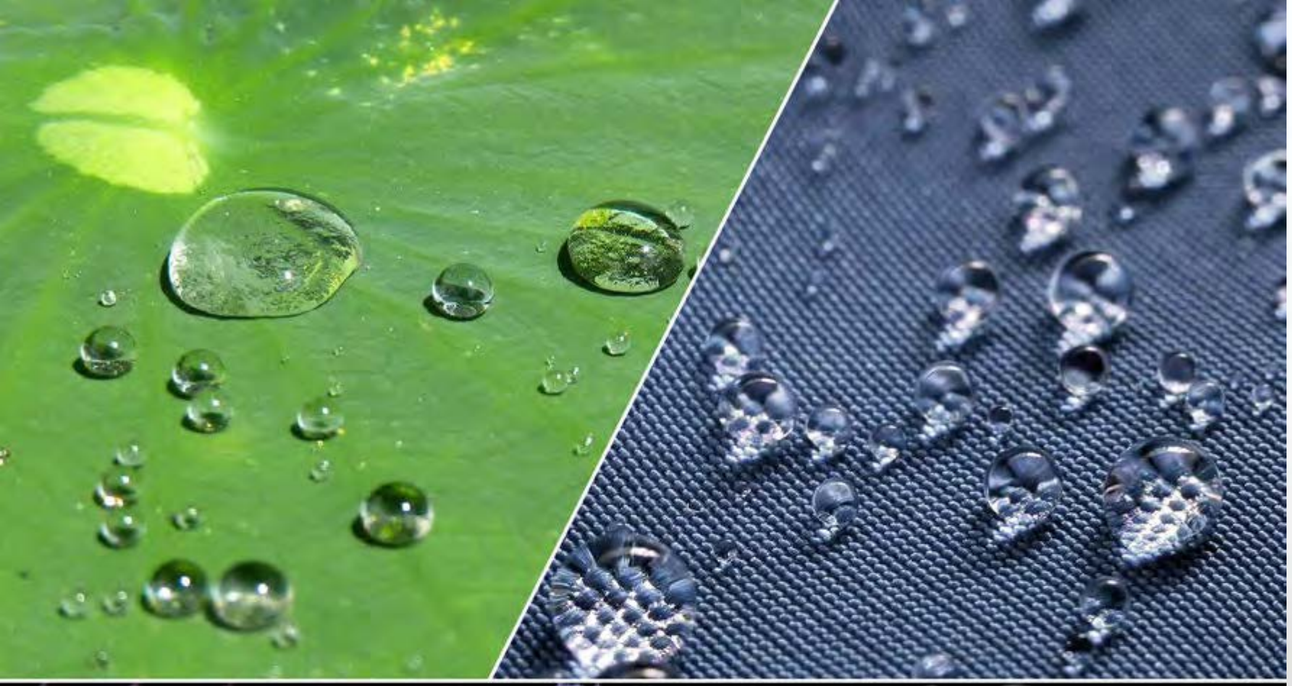
Nanotechnology allows for the development of advanced imaging techniques that can capture the intricate beauty of the nanoscale world. For instance, scanning probe microscopy techniques, such as atomic force microscopy and scanning electron microscopy, enable scientists to visualize and explore the exquisite details of nanostructures and nanomaterials.

Nanotechnology enables the design and fabrication of materials that can self-assemble at the nanoscale. Through precise control of the assembly process, beautiful and complex structures can emerge, resembling nature‘s own patterns. These self-assembled nanostructures have the potential to revolutionize various fields, such as optics, electronics, and medicine.

Nanotechnology allows for the manipulation and engineering of materials at the atomic and molecular level. This capability opens up a world of possibilities for creating materials with extraordinary properties and aesthetics. For example, nanomaterials like quantum dots exhibit vibrant and tunable colors due to their unique optical properties, providing a visually stunning display of nanoscale beauty.

Nature has already perfected many elegant and beautiful solutions at the nanoscale. Nanotechnology draws inspiration from these natural designs to create biomimetic structures and systems. By mimicking nature‘s aesthetics and functionality, nanotechnology can unlock hidden beauty while offering practical solutions in areas such as energy, environmental remediation, and healthcare.

Artists and designers are incorporating nanotechnology into their creative processes, resulting in unique and visually captivating artworks. Nanomaterials, such as nanoinks and nanoscale pigments, can be used to produce paintings, sculptures, and installations that showcase the beauty and possibilities of the nanoscale world.



NANOTECHNOLOGY INSPIRED BY NATURE

Nature-inspired nanotechnology can be used to develop drug delivery systems that mimic biological processes. Nanoparticles, liposomes, or nanocapsules can be engineered to deliver drugs to specific targets in the body, improving efficacy and reducing side effects. Examples include using biomimetic nanoparticles to mimic the behavior of viruses for targeted drug delivery.

Inspired by the self-cleaning abilities of lotus leaves and gecko feet, nanotechnology can create surfaces with similar properties. Nanostructured coatings can be applied to materials, making them water-repellent or self-cleaning. These surfaces find applications in industries such as automotive, aerospace, and building materials, reducing the need for frequent cleaning and maintenance.

Nature-inspired nanotechnology can enhance energy harvesting and conversion processes. For instance, bio-inspired solar cells mimic the photosynthetic systems in plants to improve light absorption and energy conversion efficiency. Nanoscale structures inspired by butterfly wings or bird feathers can enhance the light-trapping properties of solar panels.

Nature-inspired nanotechnology offers innovative solutions for water purification. Nanomaterials with structures similar to those found in biological systems, such as carbon nanotubes or graphene membranes, can effectively filter contaminants, remove pollutants, and desalinate seawater, addressing global water scarcity challenges.

Nature‘s materials often possess remarkable properties that inspire the development of biomimetic materials. For example, spider silk, known for its strength and flexibility, has inspired the development of synthetic fibers with similar characteristics. These biomimetic materials find applications in industries such as textiles, aerospace, and biomedicine.

Nature-inspired nanotechnology can be utilized to develop highly sensitive and selective sensors. Mimicking the olfactory receptors found in animals, nanosensors can detect and identify specific molecules or gases, enabling applications in environmental monitoring, healthcare, and food safety.

Adhesion mechanisms observed in nature, such as gecko feet or mussel adhesive proteins, inspire the development of advanced adhesives. Nanotechnology can create synthetic adhesives that exhibit strong adhesion properties, even in challenging conditions. These adhesives find applications in areas such as industrial manufacturing, robotics, and medical devices.

CONTENTS OF OUR OFFERS

NANO COATING AS STANDARD

We offer protective nano coatings for: glass, ceramics, metal, metal alloys, mineral surfaces, wood, plastic and hygiene maintenance. Our nano coatings provide monomolecular protection invisible to the naked eye. They protect objects from the corrosive effects of the environment and pollutants from the air.

We offer several types of commercial nano coatings that can be used in the automotive, aerospace, textile and many other industries.

PROTECTION OF HYGIENE

With the number of confirmed cases increasing, we are facing a pandemic. Previously, the basic hygiene conditions were sufficient, but now, despite the hygienic measures taken, new bacterial or viral colonies may appear. We need new hygiene measures and methods of action. Our hygienic coatings significantly accelerate the deactivation of viruses and strengthen the defense against infectious diseases.

CERAMIC COATINGS

Our service includes the application of ceramic coatings for the molecular protection of objects and surfaces. Thanks to the crystal lattice, which reduces the surface pressure, the water rolls off easily. For cleaning, we use ph-neutral agents that at the same time protect the color of the treated surface. Applying a ceramic coating to the color of the car's body and glass significantly reduces maintenance costs.

NANO PROTECTION

Nano coatings are designed to provide improved protection against various environmental factors, such as UV radiation, water, dirt and corrosion. Nano protection can be applied to a wide range of surfaces, including automotive paint, textiles, electronics and metal, offering benefits such as increased durability, self-cleaning ability, improved wear resistance, advanced and long-lasting protection.

WATERPROFF PROTECTION

In the past, unfavorable weather conditions had a negative effect on clothing and footwear. Attempts were made to reduce the impact on nature by using polyfluorinated compounds in sprays, but these techniques had a detrimental effect on the ecosystem. However, today there are better and more environmentally friendly options. Our spray impregnation technology is suitable for all types of textiles and footwear.

COMPANY NANO COATINGS

Our nano coatings provide exceptional surface protection by forming a thin and durable layer that protects against scratches, abrasion, corrosion and weathering. They can extend the life of different materials, such as metals, plastics, glass and ceramics.

Nano coatings have hydrophobic and oleophobic properties, which means they repel water and oil-based substances. This feature makes them ideal for applications where liquid repellency is critical, such as self-cleaning and anti-fog surfaces or creeping stain resistance.

Due to their hydrophobic properties, nano-coatings facilitate the cleaning of surfaces. They prevent dirt and contaminants from adhering firmly to the surface, allowing for effortless cleaning and the need for harsh cleaners.

One of our coatings has antibacterial and antimicrobial properties, inhibiting the growth of bacteria and microorganisms on surfaces. This feature is especially useful in healthcare facilities, food processing areas and other environments where hygiene is critical.

Nano coatings can provide effective ultraviolet (UV) protection by blocking harmful UV rays. This feature is valuable for outdoor applications such as automotive coatings, building materials, and protective coatings for artwork or furniture.

Nano-coatings can improve the optical properties of surfaces, including improved clarity, anti-reflective properties and increased light transmission. They are used in lenses, displays, solar panels and optical devices.

Certain nano-coatings offer excellent thermal insulation properties, creating a barrier that helps keep out heat or cold. This advantage is valuable for insulating coatings in buildings, automotive components and industrial equipment.

Our nano coatings can contribute to environmental sustainability by reducing the need for harsh chemicals, extensive cleaning and frequent replacement. They can also improve energy efficiency by improving insulation properties or reducing maintenance requirements.

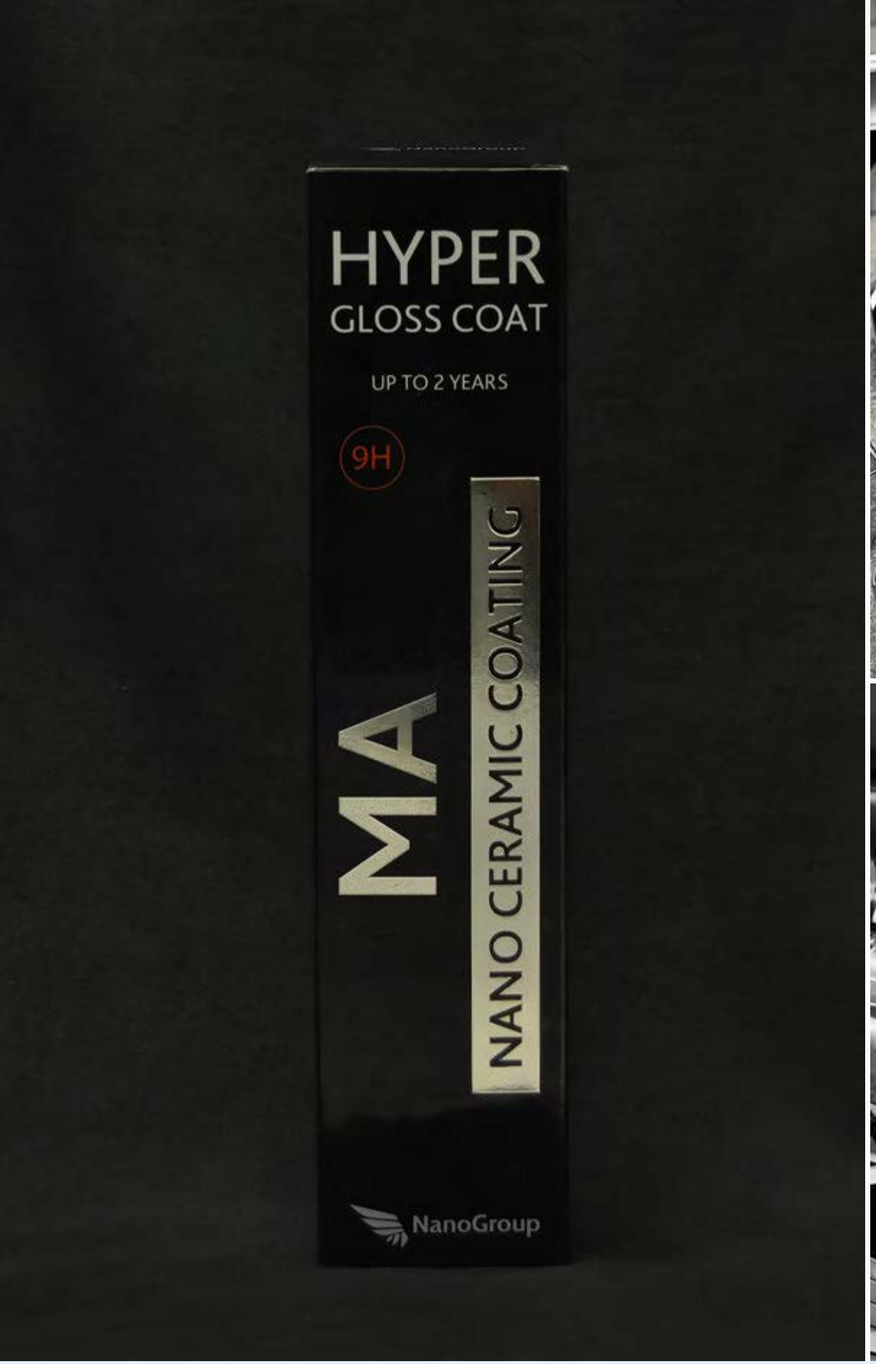







A SMALL PART OF THE LARGE NUMBER OF OBJECTS ON WHICH NANOGROUP COATINGS CAN BE APPLIED

NanoGroup covers a wide range of industries with its coatings. Quality and durability are the main characteristics of its products.



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MA

PROTECTIVE NANO COATING FOR METAL AND METAL ALLOYS

Provide long-term protection for your metals and metal alloys with MA nano coating - reliable protection against external influences and extended durability of your materials. Contact us today and learn more about our industrial metal protection solutions.

The application of this coating is standard in the construction industry, where it is used to protect building components, metal profiles, parts of machines and devices, furniture components, pipes, production components such as boilers, seam pipes, gas pipes, warehouse components and others. Also, industrial companies engaged in the production of metal and machine parts, as well as renovation, maintenance and cleaning companies use this coating for reliable industrial protection.

SPECIFICATIONS OF MA NANO COATING

- **Appearance:** Yellowish liquid,
- **Chemical resistance:** 1 < pH < 12,
- **Salt water resistance:** YES,
- **Moisture resistance:** YES,
- **Dry film thickness:** 600 - 800 nm,
- **Density @23°C:** 0.816 g/m³,
- **pH value:** 5.5 - 6,
- **Application temperature:** 5°C - 30°C (≤ 50% RH),
- **Temperature resistance:** 275°C,
- **Water contact angle:** 106° @10 µL,
- **Water slip angle:** 12° @20 µL,
- **Oil contact angle:** 89° @10 µL,
- **Shelf life:** 1 year unopened, 1 week opened,
- **Packaging:** 50 ml, 250 ml, 1 L.

CHARACTERISTICS OF MA NANO COATING

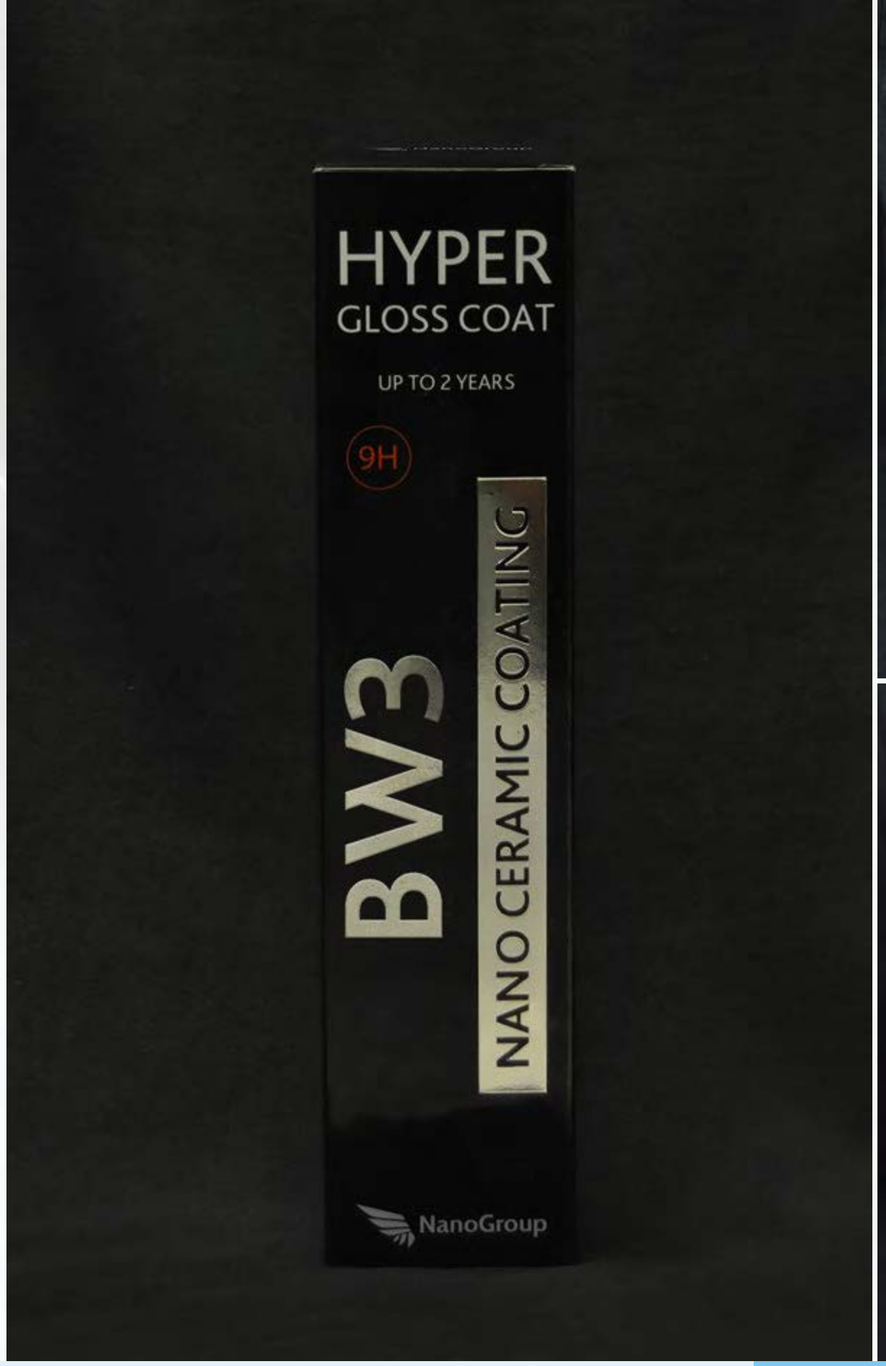
- Self-cleaning effect,
- Chemical resistance,
- Water and oil repellency,
- Protects the surface from rust,
- Protects the surface from scratches,
- Preserves the structure and shine of the metal,
- Protects the surface from dirt, UV radiation and low temperatures,
- Does not allow dirt to penetrate into the pores of the treated surface,
- Protects the surface from soiling, steaming, clouding or darkening,
- Successfully replaces well-known sanded paint coatings,
- Protects against the development of bacteria, mold and fungi,
- Does not contain silicone, wax or oils,
- Saves money on regular cleaning,
- Harmless to health.

BW3

INDUSTRIAL NANO COATING FOR MINERAL SURFACES

BW3 is an industrial nano coating that is especially recommended for natural mineral surfaces that absorb liquid. Its exceptional hydrophobic and oleophobic properties provide superior protection. Choose BW3 as a first-class solution for the protection of your mineral surfaces. This coating provides outstanding performance and long-lasting protection, making surfaces resistant to water, oil and abrasion.

BW3 is used as a standard for the protection of various surfaces, including absorbent ceramics, natural stone, concrete, tiles, walls, interior and exterior wall coverings, floor coverings, swimming pools, terraces, balconies, roads, parking areas, gas stations, sidewalks, warehouses, manufacturing premises, city furniture, historical objects and artistic sculptures. Industrial companies in the fields of construction, landscape design and architecture, manufacturers of urban furniture, manufacturers of building materials (such as tiles, shingles, concrete, stone, concrete slabs and blocks, etc.), as well as renovation, maintenance and cleaning companies use BW3 for industrial protection of buildings.



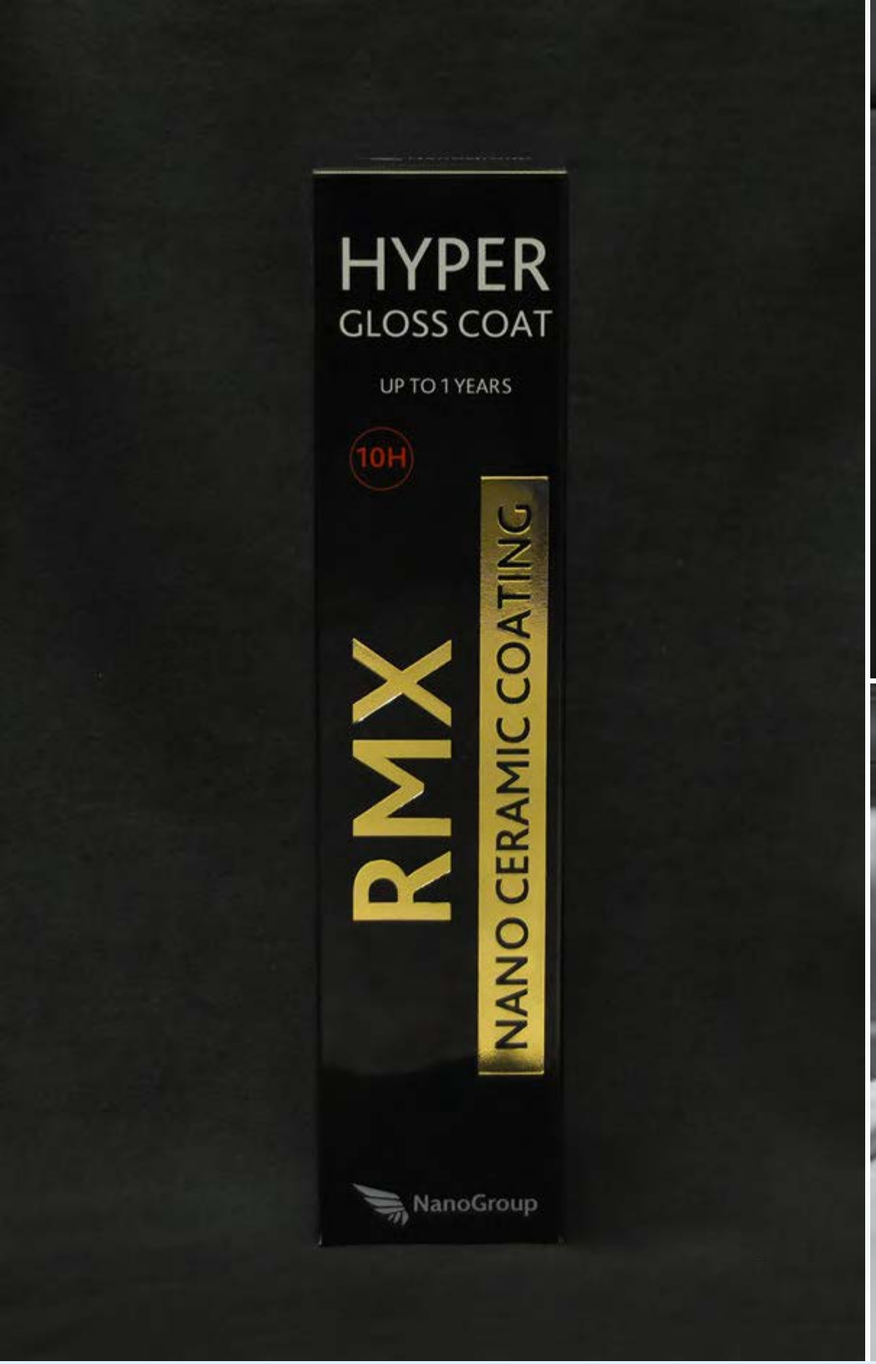
BW3

BW3 NANO COATING SPECIFICATIONS

- **Appearance:** Cloudy liquid,
- **Base material:** Water,
- **Chemical resistance:** 1 < pH < 11,
- **Dry film thickness:** 90 - 100 nm,
- **Consumption per unit area:** 60 - 90 ml/m^2,
- **Density @23°C:** 0.99 g/m^3,
- **pH value:** 4 - 5,
- **Application temperature:** 5°C - 30°C (≤ 50% RH),
- **Temperature resistance:** 250°C,
- **Water contact angle:** 142° @10 µL,
- **Water slip angle:** 10° @60 µL,
- **Oil slip angle:** 101° @10 µL,
- **Shelf life:** 2 years unopened, 2 months opened,
- **Storage:** up to 3 years,
- **Packaging:** 250 ml, 1 L, 3 L.

CHARACTERISTICS OF BW3 NANO COATING

- Self-cleaning effect,
- Chemical resistance,
- Breathability of the coating,
- Extends the life of the item,
- Protects the surface from liquids, dirt, UV radiation and low temperatures,
- Prevents sidewalks, stairs and other surfaces from freezing in winter,
- Protect the surface from soiling, steaming, clouding or darkening,
- Protects the surface from cracking at negative temperatures,
- They do not allow dirt to penetrate into the pores of the treated surface,
- Prevents sidewalks, stairs and other surfaces from freezing in winter,
- Protects the surface from cracking at negative temperatures,
- Protects against the development of bacteria, mold and fungi,
- They do not contain silicone, wax or oils,
- Saves money on regular cleaning,
- Harmless to health.



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RMX

UNIVERSAL NANO COATING FOR SURFACE PROTECTION

Meet the RMX nano coating - a comprehensive solution for the protection of various surfaces. Whether it's metal, wood, plastic, glass or any other material, the RMX provides exceptional protection against liquids, oils, scratches and harmful UV rays. Thanks to its universality, the RMX is a practical choice for all types of surfaces. With RMX nano coating, your surfaces will be optimally protected, providing durability and longevity in various industrial environments. A number mark next to the name indicates the years of protection.

The standard application of RMX nano coating includes the protection of parts of machines and devices, factory production areas, city furniture made of plastic and paint, as well as all plastic and painted objects in public spaces such as bleachers, playgrounds, traffic lights, warning signs, billboards, PVC joinery, etc. Also, RMX can be used to protect painted plastic surfaces on aircraft, marine vessels and vehicles. Industrial companies engaged in production, plastics, advertising, promotion, renovation, maintenance, cleaning, transport, as well as manufacturers of aircraft, marine vessels and land vehicles, can take advantage of RMX nano coating for industrial protection of their surfaces.

RMX3 NANO COATING SPECIFICATIONS

- **Appearance:** Yellowish liquid,
- **Chemical resistance:** 1 < pH < 12,
- **Salt water resistance:** YES,
- **Moisture resistance:** YES,
- **Dry film thickness:** 600 - 800 nm,
- **Density @23°C:** 0.816 g/m³,
- **pH value:** 5.5 - 6,
- **Application temperature:** 5°C - 30°C (≤ 50% RH),
- **Temperature resistance:** 275°C,
- **Water contact angle:** 106° @10 µL,
- **Water slip angle:** 12° @20 µL,
- **Oil contact angle:** 89° @10 µL,
- **Shelf life:** 1 year unopened, 1 week opened,
- **Packaging:** 50 ml, 250 ml, 1 L.

CHARACTERISTICS OF RMX3 NANO COATING

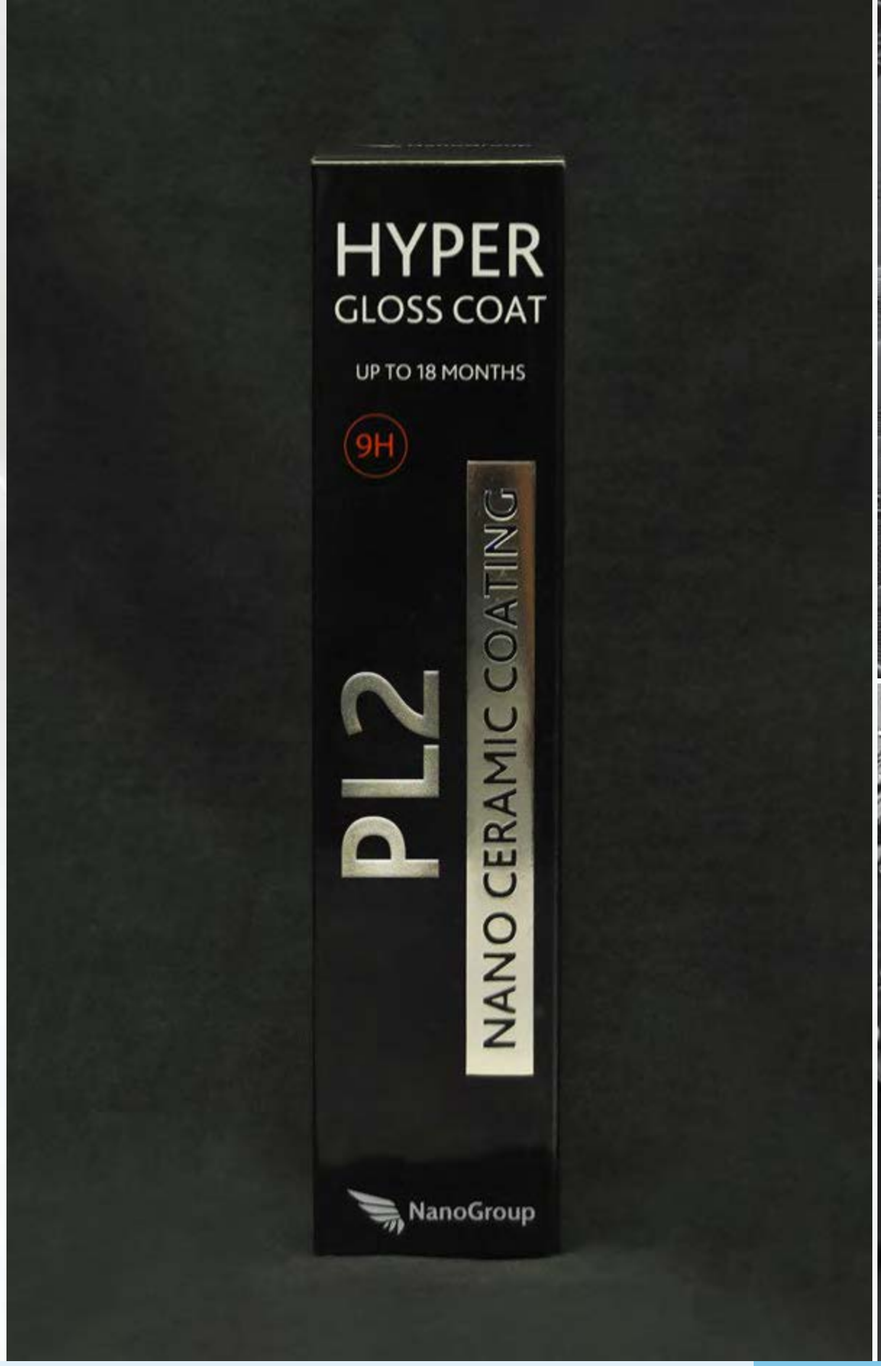
- Self-cleaning effect,
- Chemical resistance,
- Water and oil repellency,
- Protects the surface from rust,
- Protects the surface from scratches,
- Preserves the structure and shine of the metal,
- Protects the surface from dirt, UV radiation and low temperatures,
- Does not allow dirt to penetrate into the pores of the treated surface,
- Protects the surface from soiling, steaming, clouding or darkening,
- Successfully replaces well-known sanded paint coatings,
- Protects against the development of bacteria, mold and fungi,
- Does not contain silicone, wax or oils,
- Saves money on regular cleaning,
- Harmless to health.

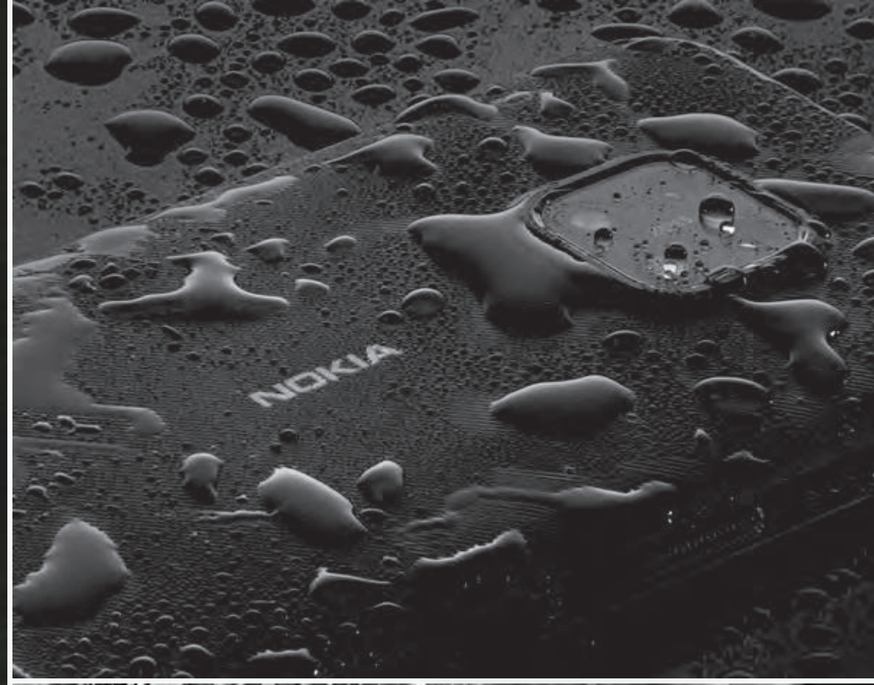
PL2

PROTECTIVE NANO COATING FOR PLASTIC

PL2 nano coating is an extremely effective protective coating intended for plastics. Provides excellent protection for plastic surfaces from liquids, oils, scratches and harmful UV radiation. This coating is specially designed to protect both external and internal plastic surfaces. With long-term protection that lasts up to two years, PL2 coating preserves the new appearance of the treated plastic.

The standard application of PL2 coating covers the protection of various surfaces such as: bleacher seats, vehicle parts and equipment, playgrounds, deckchairs, outdoor plastic products, tents, vegetable greenhouses, etc. Industrial PL2 coating is used in various sectors, including: agricultural enterprises, plastic manufacturers, renovation, maintenance and cleaning companies, transport companies, vehicle manufacturers, marine vessels and aircraft, etc.





PL2

PL2 NANO COATING SPECIFICATIONS

- **Appearance:** Colorless liquid,
- **Chemical resistance:** 1 < pH < 12,
- **Salt water resistance:** YES,
- **Moisture resistance:** YES,
- **Consumption per unit area (manual application):** 5 - 8 ml/m^2,
- **Dry film thickness:** 700 - 1000 nm,
- **Density @23°C:** 0.86 g/m^3,
- **pH value:** 7,
- **Application temperature:** 5°C - 30°C (≤ 50% RH),
- **Water contact angle:** 115° @10 µL,
- **Water slip angle:** 20° @20 µL,
- **Oil contact angle:** 34° @10 µL,
- **Gloss rate @60° (ISO-2813:2014):** 80,
- **Shelf life:** 1 year unopened; 1 week open,
- **Storage:** up to 2 years,
- **Packaging:** 50 ml, 250 ml, 1 L.

CHARACTERISTICS OF PL2 NANO COATING

- Self-cleaning effect,
- Water and oil repellency,
- Chemical resistance,
- Ease of cleaning,
- Restores color to objects,
- Scratch resistance,
- Extends the life of surfaces,
- Restores the appearance of objects up to 2 years,
- Protects the surface from the negative impact of UV radiation,
- Protects the surface from liquids, dirt, low temperatures,
- Protects the surface from soiling, steaming, clouding or darkening,
- Does not allow dirt to penetrate into the pores of the treated surface,
- Protects against the development of bacteria, mold and fungi,
- Does not contain silicone, wax or oils,
- Saves money on regular cleaning,
- Harmless to health.

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GLC2

SOLAR PANELS - WE HAVE A SOLUTION! - VIDEO

PROTECTIVE NANO COATING FOR GLASS AND CERAMICS

GLC2 nano coating is an innovative solution for the protection of glass and ceramics. Provides exceptional protection against liquids, dirt, oil and fungal growth. This coating is widely used in the protection of glass and coated ceramic surfaces.

Our standard application covers the protection of various surfaces, including glass surfaces of buildings, balconies, shower cabins, showcases, windows, commercial cabinet doors, mirrors, solar panels, glass tables and coffee tables, glass surfaces of vehicles, aircraft and marine vessels, glass parts of machinery and devices, as well as factory production areas where transparency and cleanliness are of key importance (cameras, sensors, lenses, observation windows). We also provide protection to wet ceramic surfaces such as swimming pools, bathrooms and terraces, as well as ceramic surfaces such as sinks and toilet bowls. Our GLC2 nano coating is used in industry by glass manufacturers, solar panel manufacturers, furniture manufacturers, shower cabin manufacturers, as well as renovation, maintenance and cleaning companies.

SPECIFICATIONS OF GLC2 NANO COATING

- **Appearance:** Colorless liquid,
- **Chemical resistance:** 1 < pH < 12,
- **Dry film thickness:** 75 - 100 nm,
- **Consumption per unit area:** 5 ml/m²,
- **Density @23°C:** 0.80 g/m³,
- **pH value:** 1.9 - 2.2,
- **Refractive index:** 1.625 (glass),
- **Application temperature:** 5°C - 30°C (≤ 50% RH),
- **Temperature resistance:** 275°C,
- **Water contact angle:** 102° @10 µL,
- **Water slip angle:** 28° @60 µL,
- **Oil slip angle:** 72° @10 µL,
- **Angle after wet peeling:** 96° @10 µL,
- **Temperature sensitivity:** -3°C to +30°C,
- **Moisture resistance:** YES,
- **Salt water resistance:** YES,
- **Compliance with REACH:** YES,
- **Storage:** up to 2 years,
- **Packaging:** 30 ml, 50 ml, 250 ml, 1L, 3L.

CHARACTERISTICS OF GLC2 NANO COATING

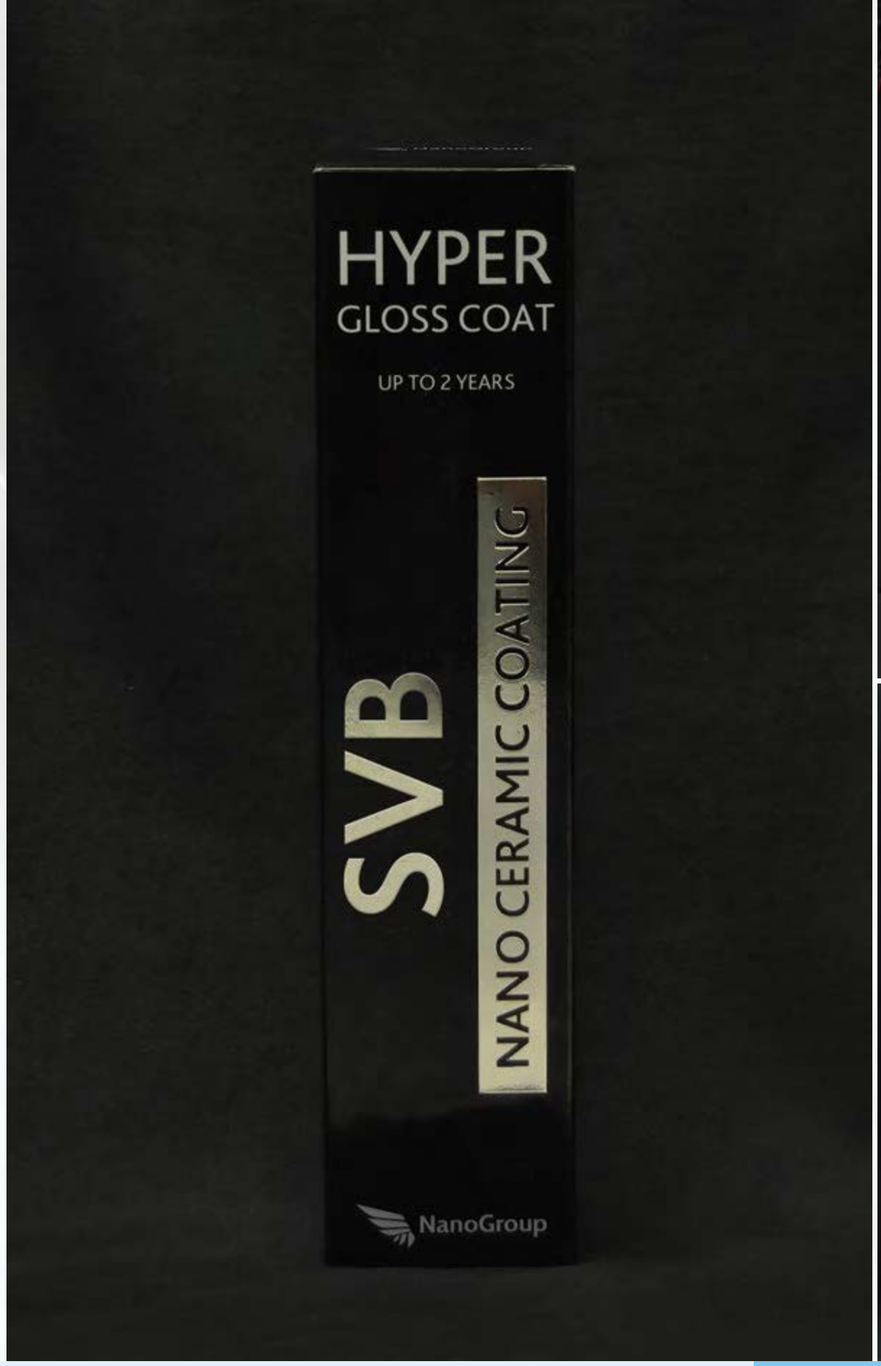
- Self-cleaning effect,
- Resistance to water and oil,
- Stain resistance,
- Chemical resistance,
- UV protection,
- Breathability of the coating,
- Improves visibility,
- Ease of cleaning,
- Significantly reduces graphite incrustation,
- Protects the surface from the development of bacteria and viruses,
- Protects the surface from the development of mold and fungi,
- Protects the surface from low temperatures,
- Does not allow dirt to penetrate into the pores of the treated surface,
- Protects the surface from soiling, steaming, clouding or darkening,
- It helps the rainwater to clean the surface with its sliding,
- Reduces uncontrolled leakage of water created by condensation,
- Nano coated solar panels produce up to 8% more electricity,
- Does not contain silicone, wax or oils,
- Saves money on regular cleaning.

SVB

ANTIMICROBIAL NANO COATING FOR HYGIENIC PROTECTION

SVB nano coating is a revolutionary antimicrobial solution that provides exceptional protection against viruses and bacteria, reducing the need for frequent disinfection. Effectively prevents the growth of viruses, bacteria, mold, algae and fungi, ensuring a high level of hygiene. The uniqueness of SVB coating lies in its continuous ability to destroy bacteria and germs that settle on the surface. Unlike ordinary disinfectants that are effective only during application, SVB coating maintains a constant ”kill rate” of 99.9%. This makes it one of the most effective protective coatings available on the market. Our product is environmentally friendly and does not contain harmful substances such as PFOS/ PFOA. Also, SVB coating is non-toxic and fully compliant with REACH regulations, which guarantees the safety and protection of users. Choose SVB: the most effective coating for the hygienic protection of surfaces. Provide a clean and safe space with the help of our innovative technology.

The standard application of the coating includes the protection of door handles, interior surfaces of elevators, handrails, furniture, air conditioners, wet surfaces, shopping carts, electronic devices, interiors of public transport, surfaces of public spaces, classrooms, medical rooms, clothing and footwear. The industrial sector also benefits from our protection, including general manufacturing companies, mask manufacturers, hotels, hospitals, clothing manufacturers, fabric and carpet manufacturers, furniture manufacturers, electronic device manufacturers, elevator manufacturers, public transport companies, renovation, maintenance and cleaning companies .



SVB

SPECIFICATIONS OF SVB NANO COATING

- **Appearance:** Yellowish liquid,
- **Consumption:** Fabrics: 60 - 90 ml/m³, Hard surfaces: 6 - 10 ml/m³,
- **Salt water resistance:** YES,
- **Moisture resistance:** YES,
- **Density at 23°C:** 0.81 g/cm³,
- **pH value:** 4.5 - 5,
- **Touch drying time:** 6 hours,
- **Application temperature:** 5°C - 45°C (≤ 50% RH),
- **Shelf life:** 1 year unopened, 1 week opened,
- **Storage temperature:** -3°C to +30°C,
- **Storage:** up to 1 year,
- **Packaging:** 250 ml, 1L, 3L.

CHARACTERISTICS OF SVB NANO COATING

- E. Coli - 99.99%,
- Algae - 99.99%,
- Influenza A (H1N1) - 99.99%,
- Coronavirus (Covid-19) on metal - 90% (after 30 days),
- High efficiency 60-90 ml/m³,
- Eliminates the need for disinfection,
- Without fluoride,
- Antivirus protection,
- Antibacterial protection,
- Breathability of the coating,
- Protects the environment,
- Cures at room temperature.

TX2

PROTECTIVE NANO COATING FOR TEXTILES

Discover TX2, an advanced nano coating designed to protect textile surfaces from liquids, oils, chemicals, stains and harmful UV radiation. This superior product is particularly effective for highly absorbent textile substrates, as well as natural fibers and their blends, including suede, nubuck and alcantara.
Choose TX2 nano coating and protect your textile surfaces with confidence. Don't compromise on quality when it comes to protecting your investment. Trust the power of TX2 to provide unparalleled protection for your textiles.

With TX2 nano coating, you can enjoy unparalleled protection for a wide range of applications. Our standard application includes woven and non-woven fabrics, clothing, footwear, carpets, rugs, tablecloths, garden furniture, awnings, parasols, tents, bed linen, curtains, armchairs, chairs, lounge chairs and cushions. It is also ideal for public spaces such as cinemas, beaches and transport vehicles. Not only is TX2 Nano Coating perfect for individuals, it is also trusted by industry leading professionals. Manufacturers of textiles, furniture, carpets, ship interiors, hotels, renovation companies, maintenance and cleaning service companies rely on our industrial protection.

SPECIFICATIONS OF TX2 NANO COATING

- **Appearance:** Colorless liquid,
- **Chemical resistance:** 1 < pH < 11,
- **Dry film thickness:** 75 - 100 nm,
- **Consumption per unit area:** 80 - 100 ml/ m^2,
- **Density @23°C:** 0.805 g/m^3,
- **pH value:** 5 - 6,
- **Breathability (EN 1062-1):** Category 1,
- **Application temperature:** 5°C - 30°C (≤50%RH),
- **Water repellency (ISO-4920):** 100 / 100,
- **Water contact angle:** 152° @10 µL,
- **Angle after wet peeling:** 144° @10 µL,
- **Water slip angle:** 18° @20 µL,
- **Oil slip angle:** 136° @10 µL,
- **Shelf life:** 2 years unopened; 1 month open,
- **Packaging:** 250 ml, 1 L, 3 L.

CHARACTERISTICS OF TX2 NANO COATING

- Self-cleaning effect,
- Water and oil repellency,
- UV protection,
- Ease of cleaning,
- Chemical resistance,
- Late contamination,
- Extends the life of the textile surface,
- Protects the surface from water, liquids, dirt, food, mud,
- Does not allow dirt to penetrate into the pores of the treated surface,
- Protects against the development of bacteria, mold and fungi,
- Allows vulnerable surfaces to breathe,
- Protects suede, nubuck and alcantara,
- Does not contain silicone, wax or oils,
- Saves money on regular cleaning,
- Harmless to health.

WRW5

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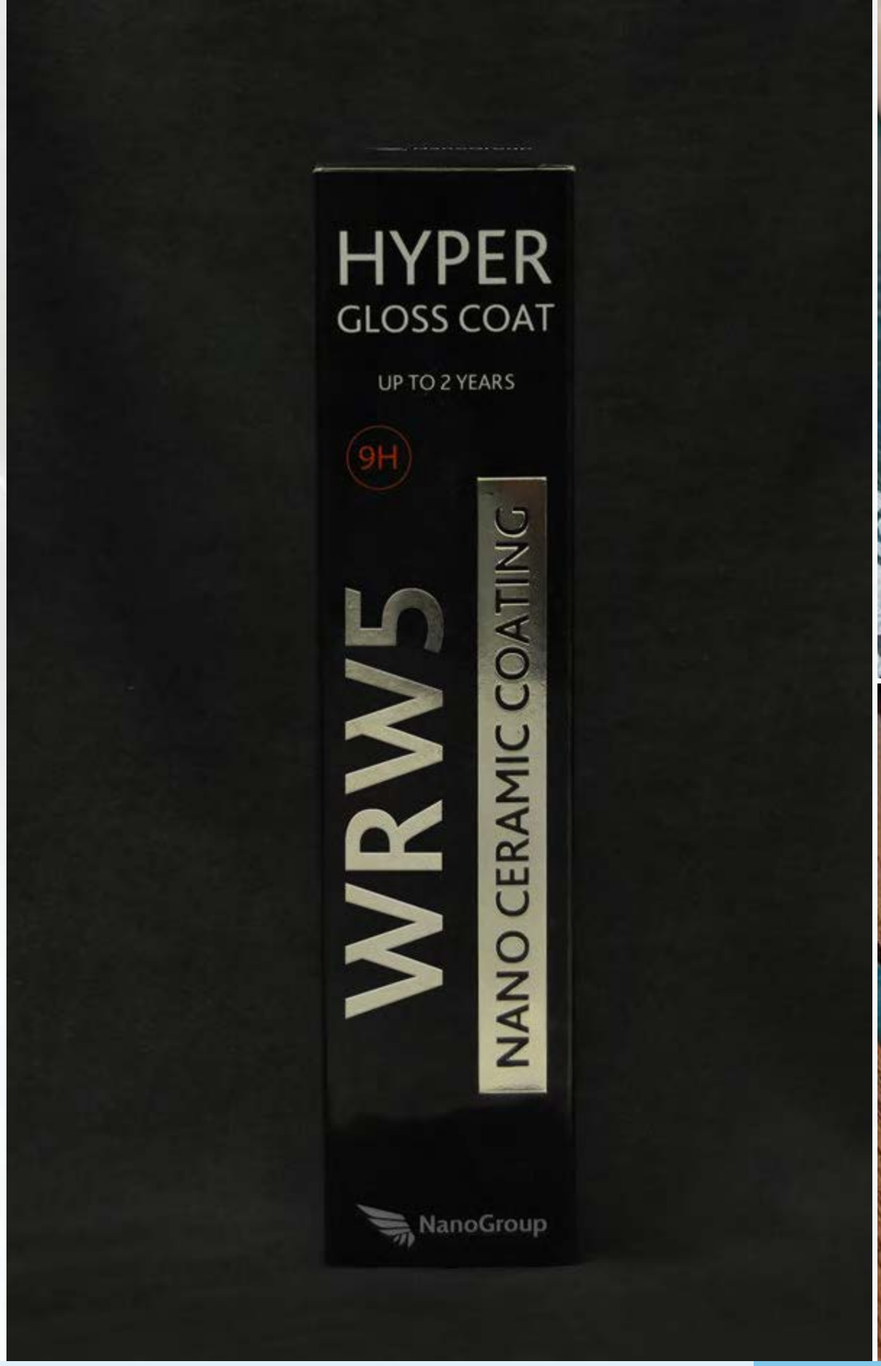
PROTECTIVE NANO COATING FOR WOOD

Discover WRW5, a premium nano coating designed to protect wooden surfaces. This advanced protective coating offers exceptional resistance to water, oil, chemicals and harmful UV radiation. It is specially formulated to be applied to natural wood and wood-based surfaces without any varnish. With WRW5 nano coating, you can provide unparalleled protection for your wooden surfaces, making it an indispensable choice for personal and industrial applications.

WRW5 nano coating finds its ideal use in a wide range of applications, including: fences, garden furniture, garden gazebos, outdoor furniture, unvarnished natural wood furniture, wooden houses, decks and verandas, wooden decorations, artwork, wall and floor coverings, etc. This versatile solution is not only suitable for individual use, but also for the needs of various industries. Trusted and used by: manufacturers of wooden items such as parquet, wooden wall coverings and decor, urban furniture manufacturers, furniture manufacturers, construction companies, landscape and architecture companies, renovation, maintenance and cleaning companies, etc.



WRW5

WRW5 NANO COATING SPECIFICATIONS

- **Appearance:** Colorless liquid,
- **Base material:** Water,
- **Chemical resistance:** 1 < pH < 11,
- **Breathability of the coating:** YES,
- **Consumption:** 70 - 100 ml/m^2,
- **Dry film thickness:** 60 - 70 nm,
- **Density @23°C:** 1.017 g/m^3,
- **pH value:** 6 - 7,
- **Application temperature:** 5°C - 30°C (≤ 50% RH),
- **Temperature resistance:** 110°C,
- **Water contact angle:** 153.6° @10 µL,
- **Water slip angle:** 1° @20 µL,
- **Oil contact angle:** 80.4° @10 µL,
- **Shelf life:** 2 years unopened; 1 month open,
- **Storage:** up to 2 years.
- **Packaging:** 250 ml, 1 L, 3 L.

CHARACTERISTICS OF WRW5 NANO COATING

- Self-cleaning effect,
- Water and oil repellency,
- UV protection,
- Chemical resistance,
- Scratch resistance,
- Ease of cleaning,
- Protects surfaces from low temperatures,
- Prevents freezing of wooden paths, stairs and other surfaces in winter,
- Protects surfaces from soiling, steaming, clouding or darkening,
- Does not allow dirt to penetrate into the pores of the treated surface,
- Protects against the development of bacteria, mold and fungi,
- They allow vulnerable surfaces to breathe,
- Protects surfaces from cracking at negative temperatures,
- Does not contain silicone, wax or oils,
- Saves money on regular cleaning,
- Harmless to health.

LNC

PROTECTIVE NANO COATING FOR LEATHER SURFACES

Introducing LNC, an exclusive nanocoating created to safeguard leather surfaces. This cutting-edge protective solution offers exceptional resilience against water, oil, chemicals, and the detrimental effects of UV radiation. Specifically designed for application on both natural and synthetic leather, LNC provides a multitude of benefits for leather surfaces. Firstly, it significantly enhances water resistance, bolstering its ability to withstand water-based stains and reducing the risk of water damage. Secondly, LNC fortifies the overall durability of leather by forming a protective layer that helps prevent scratches and fading. Moreover, this coating offers UV resistance, shielding leather from the harmful impacts of sunlight.

The application of nano coatings for leather surfaces finds various applications in different industries. In the automotive sector, it can be used to protect car seats, steering wheels and other leather components from leaks, stains and wear. In the fashion and accessories industry, it can be applied to leather handbags, shoes and wallets to maintain their pristine appearance and extend their lifespan. It can also be used in furniture production to protect leather sofas, chairs and other upholstery from stains and damage.

LNC NANO COATING SPECIFICATIONS

- **Appearance:** Colorless liquid,
- **Salt water resistance:** YES,
- **Moisture resistance:** YES,
- **Breathability of the coating:** YES,
- **Chemical resistance:** 1 < pH < 12,
- **Consumption:** 30 - 45 ml/cm^2,
- **Dry film thickness:** 60 - 70 nm,
- **Density:** @23°C: 0.86 g/m^3,
- **pH value:** 5 - 6,
- **Application temperature:** 5°C - 30°C (≤ 50% RH),
- **Temperature resistance:** 150°C,
- **Water contact angle:** 117° @10 µL,
- **Water slip angle:** 18° @60 µL,
- **Oil contact angle:** 105° @10 µL,
- **Shelf life:** 1 year unopened; open for 2 months,
- **Storage:** up to 1 year.
- **Packaging:** 250 ml, 1 L, 3 L.

CHARACTERISTICS OF LNC NANO COATING

- Self-cleaning effect,
- Water and oil repellency,
- UV protection,
- Anti friction,
- Spore contamination,
- Chemical resistance,
- Extends the life of surfaces,
- Ease of cleaning,
- Prevents color transfer,
- Maintains the appearance of surfaces,
- Ensures color retention,
- Provides minimal wear,
- Protects against the development of bacteria, mold and fungi,
- They allow surfaces to breathe,
- Does not contain silicone, wax or oils,
- Saves money on regular cleaning,
- Harmless to health.

NANOGROUP - WORLD OF NANO COATINGS

Nanotechnology is advancing rapidly, we are here to support you!

NANOGROUP

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