P.O.Box: 85 – Zouk Mikhaël / Lebanon
Tel.: +961 9 218 645 - +961 9 218 656
Fax: +961 9 220 215
www.Amazonapaints.com
info@Happywallpaints.com

TECHNICAL DATASHEET

NC LACQUER ANTI-SCRATCHING

PRODUCT DESCRIPTION

A single component nitrocellulose lacquer featuring very fast drying time, film clarity and excellent scratching resistance. It provides a durable finish, resistant to water and chemicals. Its fast drying properties allows multiple coats within a short period.

PRODUCT BENEFITS

1- Fast drying
2- Excellent flow and levelling
3- Excellent scratching resistance
4- Good flexibility making it suitable for different substrates and weather conditions.
5- U.V resistance
6- Excellent durability and washability
7- Perfect adhesion
8- Good hardness

RECOMMENDED USES

A lacquer for wood, steel surfaces and automotive applications.
It is easily repaired and recoated without removing the old finish.
NC lacquer can be applied over NC paints to provide a protective anti-scratching finish.

SURFACE PREPARATION

Surfaces should be solid, clean and dry, free from oil, grease, salt, dust and other contaminants.

1- Alkaline and acid surfaces should be cleaned and neutralized.
2- Deteriorated previous coatings, weak and blistered paints or chalky substances should be removed by scrapers, paint removers or flame spraying.
3- Non-disintegrated paints or glossy surfaces of previous coatings should be roughened slightly with sand paper to ensure good adhesion.

Fill all the pores and holes with NC Ready Putty to smoothen the surfaces.

PHYSICAL AND CHEMICAL PROPERTIES

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Physical Properties

Physical State	Viscous liquid
Appearance	Matte, Gloss (30%, 50%, 100%)
Color Range	Clear
Temperature	25^0C
Relative Humidity	50%
Specific Gravity, ISO 2811	0.9-1 g/cm^3
Viscosity, ISO 2884	20-35 poises
Drying Time, ASTM D5894	1-2 hours
Wet Film Thickness, ISO 2808	100 µm
Dry film Thickness, ISO 2808	40 µm
Recoat Time	2-3 hours
Sag Resistance, ASTM D3730	Excellent
Leveling, ASTM D2801	Excellent
Scratching Resistance, ASTM D3003	Excellent

Chemical Properties

Solids by Weight %	40-50%
Solids by Volume %	37- 45%

PRIMING/ THINNING/ APPLYING

Fill existing pores and holes with NC Putty.

Apply one coat of NC Primer with a dilution according to the surface condition.

After complete drying of the primer, apply NC Paint. Thin with NC Thinner in order to obtain the adequate viscosity for application.

For brush, roller and spray application, Thin with NC Thinner up to 60- 70% depending on the type of application.

For application on bare wood, sand surface thoroughly with medium grit sandpaper and progress to fine grit sand- paper. Always sand in the direction of the wood grain. Remove dust with tack rag. Then apply at least 2 coats of NC Lacquer anti-scratching.

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Clean tools and equipment with NC thinner immediately after use.

PACKING

In cylindrical tin containers of the following capacities:
- 1 US Quart = 0.95 L.
- 1 US gallon = 3.78 L.
- 1 Pail (5 U.S.G.) = 20 L

STORAGE

Avoid frost & excessive heat

The technical information contained in this Technical Data Sheet is to be understood as advice only and not binding in any respect.

All details about working with our products should be adapted to prevailing local conditions and materials used.