


Description

90.100 Unimix 1K Nitro Primer Binder is an anticorrosive primer, which is used for steel structural works, coachworks, agricultural machines tools, etc.

Features

- good adhesion to various substrates
- can be overcoated wet on wet
- great colour coverage, which helps for overall coverage of next topcoat layers
- especially suitable as a temporary primer for transport of steel structural works
- if better chemical overall resistance (corrosion and chemical) is needed, a 2K Primer should be used (Epoxy or DTM)



Substrate preparation

| | | | |
|--|--|--|---|
|  | <u>Substrate</u> | <u>Sanding</u> | <u>Degreasing</u> |
| | Bare steel: Phosphated metal: Old coatings: | P80 - 120 (dry) Scotchbrite P320 – P400 (dry) or P800 – P1000 (wet) | All surfaces need to be thoroughly cleaned, dried and degreased with appropriate anti-silicone cleaner. |
| It is recommended to use appropriate primer (epoxy, etch, etc.) to optimize adhesion on aluminium and galvanized steel surfaces. In case of sandblasting the surface, paint job must be done immediately after sand blasting. | | | |


Mixing ratio

| | | | |
|---|--------------------------------------|-----------------------------------|---|
|  | | <u>Airless</u> | <u>Spray gun</u> |
| | Mixing ratio: (mass ratio) | Mixed colour Thinner 5555/7050 | 1000 - |
| Mixing ratio: (volume ratio) | Mixed colour Thinner 5555/7050 | 1 - | Mixed colour Thinner 5555/7050 1 15 - 20 % |

Application

| | <u>Airless</u> | <u>Spray gun</u> |
|--|---------------------------------------|--|
|   | Spray gun setup: | 13 – 15 / 120 – 150 bar 1,6 – 1,8 mm / 2 – 2,5 bar |
| | Number of layers: | 1 1 |
| | Viscosity (DIN 4 20 °C/68 °F): | 30 – 40 s 25 – 28 s |
| | Repainting (20 °C/68 °F): | Yes, After minimum 4 hours with a solvent based system, or even after 30 – 60 min with a water based system. Over 48 hours a light sanding is suggested before overcoat. |

Drying

| | | |
|--|--------------------------------|-------------|
|  | Dust dry (20 °C/68 °F): | 15 – 20 min |
| | Touch dry (20 °/68 °F): | 40 – 60 min |
| | Thickness of dry film: | 60 – 80 µm |
| | Potlife (20 °C/68 °F): | Unlimited |

Technical information

| | |
|-------------------------------------|---|
| Theoretic yield: | 6.0 – 8.0 m ² /kg of ready for use product gives 40 µm thick dry film. |
| Appearance: | matt; 15 ± 5 % (60°angle) |
| Supply viscosity: | 12" ± 2" Ford 8 |
| Maximum chemical resistance: | after 7 days |
| Adhesion (ASTM D 3359): | B = 5 on surfaces treated like above reported. |
| Salt spray test: | if applies in a cycle primer-topcoat with a dry film thickness of 100 - 120 µm, 500 hours, a dried film of 60 µm of primer, 300 hours |

VOC of mixed colour

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Safety and health

For Health, Safety and Environmental instructions please refer to relevant Safety Data Sheets and labels on the cans. Storage conditions should also be considered.

| Prod. Nr. | Description | Volume | Packaging Box |
|-----------|-------------------------------|--------|---------------|
| 90.100 | UniMix 1K Nitro Primer Binder | 16 kg | 16 kg |

Additional Information

FOR PROFESSIONAL USE ONLY!

Always read the instructions.

IMPORTANT: This product contains hazardous substances at work so it is necessary to always use/wear appropriate protective equipment. For further instructions, check the label on the product and safety data sheet. A person who uses the product for any purpose other than recommended in this technical data sheet, acts at his own risk. It is the user's responsibility to take all necessary steps to fulfil the local legislation.

Materials described are designed for application by professional, trained personnel using proper equipment and are not intended for sale to the general public.

Information and methods described are based on the best information and practices known to us and serve merely as guidelines for optimal use, without liability to performance, results or fitness for any intended use. We do not accept any responsibility for the behaviour of the product or damage arising from the use of the product. Before using the product, the user must check if this is the latest version.

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