

ARMOPUR® DTM 113

DEEP MATT ANTISCRATCH

Deep matte 5%

DESCRIPTION

A two-component acrylic-polyurethane anti-corrosion, weather-resistant enamel. Aliphatic isocyanate is used as a hardener.

PRODUCT FEATURES

- When applied in two layers, it can be used as a standalone coating;
- Zinc phosphate is used as an anti-corrosion pigment;
- Excellent resistance to weathering and wear;
- Suitable for use as a deep matt topcoat on epoxy and acrylic polyurethane systems exposed to atmospheric and/or chemical attack;
- Recommended for painting vehicles, equipment, external surfaces of tanks, steel frames and other steel structures, and machinery.
- Has good adhesion to various plastics (except PE/PP).

Mixing coefficient

		% by weight, g	% by volume, ml
Product	DTM 113 deep matte, 5	100	100
Hardener	Hardener 1, 3	22.5	30
Solvent	Thinner 1, 2, 3	10 - 30	15 - 30

Volume of solids (A + B) 47±2%

Viscosity (A + B) 80-90 s

Weight of solids (comp. A) 55-75%

Density (A + B) 1.1-1.15 kg/l

Viscosity (comp A) >180 s

Viability 4 hours

DFT 50 µm	+10 °C	+23 °C	+35 °C
Dry "from dust"	30 min	20 min	10 min
Dry to the touch	6 hours	4 hours	2 hours
Minimal drying between coats	15 min	5 - 7 minutes	5 min

Temperature drying: 60 °C – 30 min.

Data is given at a relative humidity of 65%. Data may change with changes in humidity.

Full formation of the coating with natural drying - 7 days.

RECOMMENDATIONS FOR USE

- Apply in two coats. Theoretical consumption without thinner at DFT 50µm is 117 g/m².
- To obtain a smooth, non-porous coating when spraying with airless spray, the viscosity should be 50-60 s DIN4.
- For airless spraying, the product is diluted by approximately 5-10% depending on the temperature of the components (base, hardener, thinner) and the required viscosity. Recommended nozzle diameter – 0.011"-0.017" with a pressure of 120-160 bar. The spray angle is selected according to the shape of the object.
- For standard spraying, the product is diluted by approximately 20% depending on the temperature of the components (base, hardener, thinner) and the required paint viscosity. Working viscosity is 22-30 sec according to DIN 4. The recommended nozzle diameter is 1.4-1.8 mm and pressure is 3-4 bar.
- For brush application, the product should be diluted as appropriate.

TERM STORAGE

24 months.

PREPARATION SURFACES

The top coat is applied to the pre-primed surfaces. All surfaces must be clean and dry. The temperature of the air, surface, and paint must not fall below +5 °C during application and drying. Relative air humidity during application and drying should not exceed 80%. The steel surface temperature should remain at least 3 °C above the dew point. During application and drying in enclosed spaces, good ventilation and sufficient air movement are required.

MEASURES SECURITY

Contains organic solvents. Carry out painting work with Use local and general ventilation. Wear rubber gloves to protect your hands and personal protective equipment to protect your respiratory system. Store the material in a tightly closed container. Keep away from sources of ignition, heat, sparks, open flames, and static electricity. Do not smoke nearby. Use explosion-proof equipment, lighting, and spark-proof tools. Extinguish with water spray or air-mechanical foam and powders. In case of skin contact, wash the contaminated area with soap and water, dry, and apply a rich cream.
For industrial and professional use only.

The information provided above is not exhaustive or complete. This information is based on laboratory testing and practical experience and is provided to the best of our knowledge. As a manufacturer, we cannot control the conditions under which the product is used or the many factors that affect the use and application of the product. We disclaim

We are not responsible for any damage caused by using the product contrary to our instructions or for improper purposes. We reserve the right to change this information unilaterally without prior notice.

This product is intended for professional use only and should only be used by professionals with sufficient knowledge and experience. The information provided above is for informational purposes only. To the extent permitted by applicable law, we assume no liability for the conditions under which the product is used or for its use or application.

If you intend to use the product for any purpose other than as recommended in this document without first obtaining our written confirmation of suitability for the intended use, such use is at your own risk.

CHEMIE
ARMOR