601 Genepox Primer

PRODUCT DESCRIPTION

Two-component, polyamide-cured anticorrosive epoxy primer with zinc phosphate, adhering excellently to sheet steel, galvanised steel and aluminium.

AREAS OF USE

Steel structures, machinery, general industry and marine; metal exposed to water, seawater and chemicals.

TECHNICAL PROPERTIES

Components	Two-component (2K)
Colour	RAL colours on request
Gloss	Semi-matt
Density (20 °C)	1.45 ± 0.10 kg/L
Volume solids	65% ± 3
Mixing ratio	7 : 1 by weight (A : B)
Pot life	6–8 hours (20 °C)
Salt spray resistance (ASTM B117)	600 hours
Theoretical coverage	7–8 m²/kg (60 µm DFT)
Application method	Airless spray, air spray, brush, roller
Thinning	5–15% · 016 Gen Epoxy Thinner
Number of coats	1 coat (60–80 µm DFT)
Equipment cleaning	016 Gen Epoxy Thinner

DRYING TIMES

Touch dry	3–4 hours
Overcoat	Min. 18 hours
Mechanical resistance	4–6 days
Full cure	7 days

Values apply at 23 °C ambient temperature and 50% relative humidity; low temperatures and high humidity extend the times.

SURFACE PREPARATION

The surface must be free from oil, grease, dust, rust and salts. Steel must be abrasive blast-cleaned to at least Sa 2½ (ISO 8501-1) and primed within 4–6 hours of blasting. Recommended surface profile: 40–75 µm.

APPLICATION CONDITIONS

Ambient and surface temperature +10 °C to +30 °C; relative humidity max. 80%. Surface temperature must be at least 3 °C above the dew point. Low temperatures retard drying and curing.

RECOMMENDED SYSTEM

Topcoat: 620 Genepox Topcoat, 625 Genepox HB Fast, 774 Genacryl Topcoat or 773 Genpoly Acr Topcoat

PACKAGING

3 kg kit (2.625 kg A + 0.375 kg B) · 20 kg kit (17.5 kg A + 2.5 kg B)

STORAGE AND SHELF LIFE

Store in tightly closed original packaging at +5 °C to +35 °C in a well-ventilated, cool and dry place, away from heat and sources of ignition. In unopened original packaging, from the date of manufacture: 12 months.

HEALTH AND SAFETY

Before use, read the product Safety Data Sheet (SDS) and the hazard and precautionary statements on the label. Ensure adequate ventilation during application; wear suitable protective gloves, goggles and, where necessary, a mask. Keep out of reach of children. Do not empty product residues or containers into drains; dispose of them in accordance with local regulations.

The information in this technical data sheet is based on laboratory tests and practical experience. As application conditions, substrates and equipment are beyond our control, the user must verify the suitability of the product for the intended application. GENAŞ Gen Boya San. ve Tic. A.Ş. is responsible only for the quality of the product and cannot be held liable for uses other than those recommended. This sheet remains valid until superseded; we reserve the right to change product specifications in line with technological developments.