Technical data sheet

PROTECTION MADE EASY

Cryltane DTI 20

Description and destination of the product

Cryltane DTI 20 is a two-component anti-corrosion polyurethane primer with excellent adhesion to steel, sandblasted surfaces, stainless steel, aluminium, OSB boards, galvanised surfaces, etc.
It is the suitable primer for the anti-corrosion protection of structures, storage tanks, etc.
The product can be painted over with one- and two-component polyurethanes.

Colour

Grey and RAL colours (except metallic and fluorescent colours), NCS, British Standard, etc. starting from base A, B and C.
Colours originally starting from base O, R and Y are on request and will be converted to base C if possible.

Gloss

Matt

Technical data

Density:	1.46 (± 0.05) g/cm³
Solids content:	60 (±2)% by volume 74 (± 2)% by weight
Mixing ratio:	12/1 Hardener DTI 20 by volume 94.4/5.6 Hardener DTI 20 by weight Mixing errors result in gloss differences and deviating characteristics, it is therefore recommended to mix the entire contents of the base and hardener.
Pot life:	± 6 hours at 20°C
Drying times (20°C):	Dust-free: 20 min Tack free after: 1 hour 30 mins. Dry after: 4 h
VOC:	Cat. A/j (standard < 500 g/L): <375 g/L (undiluted) <500 g/L (max. 20% undiluted)
Theoretical yield:	± 10m²/L for 60 micron layer thickness ±7m²/L for 80 micron layer thickness

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The practical yield can largely be influenced by the roughness and porosity of the substrate, the applied layer thickness or the losses by airless application.

Surface preparation

The surface to be painted must be free of grease, oil, water, dust or other impurities that prevent proper adhesion.
Surfaces contaminated with grease or oil must be removed with a solvent, alkaline solution or detergent.
To avoid interlayer bonding problems, we recommend applying the next coat within three days. Should this not be possible, the previous layer should be roughened and cleaned before painting over.
For new galvanisation (shiny surface), it is recommended to etch with ***Phos-Clean*** and then clean with water.
For old galvanisation (outdoor exposure longer than three weeks), it is recommended to clean any white salt formed with a hard nylon brush and/or with high-pressure water.

Use

	% Dilution	Thinner	Spray pressure (bar)	Air pressure	Tip size
Brush	3-7%	***Thinner 1***		-	-
Pneumatic	10-18%	***Solvatane***	3 to 4	-	1.6-1.8
Airless	0-10%	***Solvatane***	80-120	2-2.5 bar	413-415

Application conditions

The relative humidity may not exceed 85% while the temperature of the surface should be at least 12 °C and 3 °C higher than the dew point.

Storage stability

For the basis: A minimum of two years in the original, unopened package, stored in a dry environment at temperatures between -10°C to + 40 °C.
For the hardener: A minimum of two months in the original, unopened package, stored in a dry environment at temperatures between -10°C to + 40 °C.

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