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TECHNICAL DATA SHEET
METAL PRIMER 120

Product description

METAL PRIMER 120 is a high build, fast drying, general purpose alkyd primer.

Intended uses

It is recommended for interior and exterior structural steelwork exposed in mild-to-moderately corrosive environments. Suitable for properly prepared carbon steel surfaces where fast drying and rapid handling properties are required.

Product data

Indicative film thickness, dry:	70 µm			
Indicative film thickness, wet:	119 µm			
Theoretical coverage 70µm:	8,4 m ² /l			
Suggested dry film thickness:	60-80 µm			
Gloss (GU 60°)	Matte (5-20)			
Solids by volume	59 %			
Density	1,56 gr/ml			
Indicative drying times and overcoating/ Relative humidity 50%±5	°C	Touch Dry, Minutes	Hard Dry, Hours	Overcoating, Hours
	15°	25min	2h	16h
	25°	15min	1h	12h
Colours	White 120.1, Grey 120.2, Black 120.3 Red-Brown 120.4			
VOC (Volatile Organic Compounds)	EU limit value for this product Category A/i, Type:SB, One-pack performance coatings, is 500g/l (2010). This product contains max 499g/l			

Surface preparation

Surfaces must be clean, dry and free of oily substances and deposits of other materials which will prevent or affect adhesion.

Prior to application, surfaces must be assessed and treated accordingly.



Sandblasting to Sa2½ level (EN ISO 8501-1:2007) is recommended while for surfaces to be prepared by hand they should be prepared to a minimum St3 level (EN ISO 8501-1:2007) at the time of painting.

After applying METAL PRIMER 120, the surface is sealed with a suitable topcoat (recommended products below).

In case the recoating time needs to be extended, the surfaces must be stored indoors and away from the effects of sunlight.

Application

Apply one layer for DFT 60-80µm. Its composition allows the required thickness to be achieved in one layer without sagging during application.

Application methods

The product can be applied by:

Air spray: 1,6-1,8mm, 2 - 2.5 bar (29 - 36 psi)

Airless spray: 0,017-0,021", 150 bar (2175psi)

Brush and Roller: Recommended for small areas. Care must be taken to achieve the specified dry film thickness.

Thinner solvent

Thinners: No802, 806

Air spray: 10-15% (V)

Airless spray: 5-10% (V)

Brush and Roller: 5-10% (V), preferably with No806

Cleaning solvent

Thinners No802, 806

Subsequent top coat

Alkyd: TETRASTEL 520, DUCO.LUX 511

Application conditions

In conditions of high relative humidity, 80-85%, good ventilation conditions are essential.

Substrate temperature shall be at least 3°C above the dew point and always above 0°C.

Application at ambient air temperatures below 5°C is not recommended.

Safety

Handle with care. Before and during use, observe all safety labels on packaging and paint containers, consult TETRALUX Safety Data Sheets and follow all local or national safety regulations.



Remarks

Caution

This product is for professional use only. The applicators and operators shall be trained, experienced and have the capability and equipment to mix/stir and apply the coatings correctly. Applicators and operators shall use appropriate personal protection equipment when using this product.

Storage

Keep the containers in a dry, cool, well ventilated space and away from sources of heat and ignition. Containers must be kept tightly closed. Handle with care.