

PINTALU 600 PRIMAIRE

Silicon

DEFINITION

Primer of the PINTALU 600 system for the protective coating of steel structures exposed to high temperatures (600°C peak temperature).

INTENDED USES

Substrate(s) : New steel « heavy duty use »
Roughness profile

Exposure(s) :

PRINCIPAL CHARACTERISTICS

Thanks to its high zinc metal pigmentation, the PINTALU 600 PRIMAIRE :

- Withstands high temperatures.
- Provides very good protection against corrosion.

Note : before the first heat-up, the product should not be handled.

COMPATIBILITY

PREVIOUS COAT(S)*	SUBSEQUENT(S) COAT(S)*
Itself.	PINTALU 600 FINITION.

*For any product not mentioned in compatibility lists, contact our technical support.

TECHNICAL DATA

NUMBER OF COMPONENTS	1
GLOSS LEVEL	Mat
COLOURS	Grey
SPECIFIC GRAVITY	2,37 +/- 0,10 g/cm ³
SOLIDS CONTENT	weight : 84,0 +/- 2% volume : 58,0 +/- 3%
TYPICAL THICKNESS (DRY)	40 µm
RECOMMENDED WET FILM THICKNESS	70 µm
THEORETICAL SPREADING RATE	14,5 m ² /l for 40 µm dry - 23,20 m ² / for 25 µm dry
AFNOR RATING NFT 36 005	AFNOR NFT 36 005 rating Family I Class 10c
VOC (Directive 2004/42/EC)	Cat. A/i : 500 g/L (2010) 485 g/L VOC
PACKAGING	2.5 L - 10 L

*Specific gravity, solid content by volume and by weight are given without thinner and on the white base for all topcoat. Liquid characteristics of products are given at 20°C.

POT LIFE - DRYING TIME - OVERCOAT INTERVAL

FILM THICKNESS 0 µm dry	DRYING TIME		OVERCOATING INTERVAL		READY FOR USE
	Touch dry	Hard dry	Minimum	Maximum	
10°C	3 hours	/	3 hours	with presence of zinc salts	24 hours
20°C	2 hours	/	1 hour	with presence of zinc salts	18 hours
30°C	45 minutes	/	45 minutes	with presence of zinc salts	12 hours

Dilution, relative humidity and aeration could affect drying time.

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INSTRUCTIONS

All surfaces must be clean, dry and contamination-free before painting.

SURFACE PREPARATION

SUBSTRATE(S) :	RECOMMENDED
New steel « heavy duty use »	Abrasive blast cleaning at Sa 3 according to ISO 8501-1 : 2007.
Roughness profile	Mid G according to ISO 8503-2 (Ra 10-12,2 µm).

APPLICATION CONDITIONS

WEATHER CONDITIONS	Room temperature : The temperature should be between 10°C and 35°C Relative humidity : 80% maximum
TEMPERATURE	Of substrate : Between and +5°C and +40°C and at least 3°C higher than the dew point in order to eliminate any risk of condensation. Of product :

Early exposure to condensation or rain could provide a change of gloss and/or shade.

APPLICATION

APPLICATION EQUIPMENT	DILUTION*	NOZZLE	PRESSURE AT NOZZLE	MINIMUM PUMP RATIO	REMARKS
AIRLESS SPRAY	0 to 3 %	0.013-0.015 (inches)	100-150 bars	-	Minimal pump ratio : 30/1
AIR SPRAY CONVENTIONAL	10 to 20 %	depends on the equipment used.	3-5 bars	-	-
BRUSH	Not recommended, ready for use	-	-	-	-
ROLLER	Not recommended, ready for use	-	-	-	-
THINNER	-		CLEANING SOLVENT	-	-

* Dilution rate % are indicative and should be adapted to atmospheric conditions and site specific conditions. Excess of thinner could involve sagging effect and lost of opacity.

HEALTH AND SAFETY

Flash point	: Inferior or equal to 21°C
Shelf life	: DLUO : 1 year minimum in original full, sealed packaging . Store in a cool, ventilated place.
Precautions	: Refer to the current material safety data sheet(SDS).
Transport and labelling	: Refer to SDS according to European directives.
Waste Management	: Soiled Industrial wastes. For more information, please refer to SDS.