

THERMOBLACK 400 NOIR

High temperature silicone paint

DEFINITION

Protection coating on steel exposed to high temperatures (peak temperature 400°C).

INTENDED USES

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

Exposure(s) :

PRINCIPAL CHARACTERISTICS

- Resists to high temperatures 300°C continuous, 400°C peak.
- Provides good anticorrosive protection.

COMPATIBILITY

PREVIOUS COAT(S)*	SUBSEQUENT(S) COAT(S)*
Itself	Itself

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

TECHNICAL DATA

NUMBER OF COMPONENTS	1
GLOSS LEVEL	Mat
COLOURS	Black
SPECIFIC GRAVITY	1,54 +/- 0,05 g/cm ³
SOLIDS CONTENT	weight : 68,0 /- 2% volume : 42,0 /- 3%
TYPICAL THICKNESS (DRY)	40 µm
RECOMMENDED WET FILM THICKNESS	95 µm
THEORETICAL SPREADING RATE	10.5 m ² /l for 40 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) 500 g/L VOC
PACKAGING	5 L - 15 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	
	Touch dry	Hard dry	Minimum	Maximum
10°C	4 hours	After temperature rise	36 hours	Not critical
20°C	2 hours	After temperature rise	24 hours	Not critical
30°C	1 hour	After temperature rise	15 hours	Not critical

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	Abrasive blast cleaning at Sa 3 according to ISO 8501-1 : 2007.
Roughness profile	Mid G according to ISO 8503-2 (Ra 10-12,5 µm).

APPLICATION CONDITIONS

WEATHER CONDITIONS	Room temperature : The temperature should be between 14°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 5 %	0.011-0.015 (inches)	110-150 bars	-	-
AIR SPRAY CONVENTIONAL	0 to 10 %	depends on the equipment used.	3-5 bars	-	-
BRUSH	0 to 5 %	-	-	-	Pretouch only
ROLLER	0 to 5 %	-	-	-	Pretouch only
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	: Between 23°C to 55°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.