

# THERMOBLACK 400 NOIR

High temperature silicone paint



## DEFINITION

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

## INTENDED USES

Protection against rust, heat, bad weather and sunlight to the following :

- Furnaces,
- Chimneys,
- Pipes, ( area under insulation), etc....

## PRINCIPAL CHARACTERISTICS

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

## TECHNICAL DATA

Gloss level	: Mat
Colours	: Black
Number of components	: 1
Specific gravity	: 1,54 +/- 0,05 g/cm <sup>3</sup>
Solids volume	: 42,0 /- 3%
Solids weight	: 68,0 /- 2%
Typical thickness (dry)	: 40 µm
Typical thickness (wet)	: 95 µm
Theoretical spreading rate	: 10.5 m <sup>2</sup> /l for 40 µm dry



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### INSTRUCTIONS

#### SURFACE PREPARATION

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

Substrate temperature : Between +5°C and +40°C and at least 3°C higher than the dew point in order to eliminate any risk of condensation.

Weather conditions : The temperature should be between 14°C and 35°C  
The relative humidity should be between 0% and 80%

#### AIRLESS SPRAY

Thinner : 68-69 v01  
Dilution : 0 to 5 %  
Nozzle : 0.011-0.015  
Pressure at nozzle : 110-150 bars

#### AIR SPRAY

Thinner : 68-69 v01  
Dilution : 0 to 10 %  
Nozzle : depends on the equipment used.  
Pressure at nozzle : 3-5 bars

#### BRUSH

Thinner : 68-69 v01  
Dilution : 0 to 5 %  
Pretouch only

#### ROLLER

Thinner : 68-69 v01  
Dilution : 0 to 5 %  
Pretouch only

**CLEANING SOLVENT :** 68-69 v01

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### CURING TIME

Temperature	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

### COMPATIBILITY

Previous coat(s)            Itself  
Subsequent coat(s)        Itself

### REGULATORY SPECIFICATIONS

AFNOR RATING                    AFNOR NFT 36 005 rating Family I Class 10c  
VOC (Directive                  EU limit value for this product (cat. A/i) : 500 g/l (2010)  
2004/42/EC)                    This product contains max 500 g/l VOC

### HEALTH AND SAFETY

Flash point                        Between 23°C to 55°C  
Transport and labelling        Refer to the safety data sheet established as per applicable European directives  
Shelf life                            1 year in original full, sealed packaging. Store in a cool, ventilated place.  
Precautions                        Refer to the current material safety data sheet

### PACKAGING

Packaging
5 l
15 l