

# TESSAROL PRO HEAT PROTECT

## AREA OF APPLICATION

Silver shade: Temperature-resistant coating based on hydrocarbon resin for the protection of exhaust pipes and stovepipes.

Black shade: Temperature-resistant coating based on epoxy ester resin for protection of exhaust pipes, stovepipes, metal parts of fireplaces, oil stoves etc.

## PROPERTIES

- Special coating with a silver or black appearance
- Temperature resistance up to 400 °C silver shade and up to 350 °C black shade

## TECHNICAL DATA

COMPOSITION	Silver shade: hydrocarbon resin, solvent, aluminum pigment Black shade: epoxy ester resin, solvent and temperature stable pigments
COLOR SHADES	Silver and black
TINTING	
GLOSS	Semi-matt
DENSITY	Silver 0,95 g/ml, black 1,17 g/l
THINNING	<b>Silver ready to use. Black can be thinned with TESSAROL NITRO THINNER max. 10 %</b>
EU VOC category and limits	IIB(e), 840 g/l (2007); the product contains: max. 750 g/l
PACKAGING UNITS	Silver 0.2 l, 0.75 l, 10 l Black 0.75 l
SHELF LIFE	The shelf life of an originally sealed and suitably stored product (temperature ranging from +5 °C to +35 °C, in a dry place) is indicated on the packaging.

## INSTRUCTIONS FOR USE

The coating must be mixed well before use.

APPLICATION METHOD	thinning	nozzle	pressure
roller, brush	max. 5 % (black)		
spraying			
air spraying	max. 10 % (black)	1,2–1,5 mm	3–4 bar
airless	max. 5 % (black)	0,23–0,28 mm	120–160 bar
WORKING CONDITIONS	The paint, air and surface temperature should be at least +5 °C.		
DRYING (T = +20 °C, rel. humidity 65 %)	Dust dry in approx. 0.5 hours, recoatable after 24 hours. At lower temperatures and higher relative humidity the drying time is extended.		
COVERAGE	Theoretically: approx. 10–12 m <sup>2</sup> with 1 l in 1 coat. The practical coverage depends on the application method.		
CLEANING TOOLS	TESSAROL NITRO THINNER		

## SURFACE PREPARATION

Iron, steel surfaces

Rust should be removed mechanically, while grease and other impurities should be cleaned with the **TESSAROL NITRO THINNER**.

Renovation of old coating

Undamaged coatings are to be cleaned and sanded, damaged coatings are to be removed completely.

## COATING SYSTEMS

SURFACE	SURFACE PREPARATION	PRIMER	TOP COAT
IRON, STEEL	Removing rust and impurities	/	3x <b>TESSAROL PRO HEAT PROTECT</b> (both shades)
OLD COATINGS	Cleaning, sanding and removing damaged coatings	/	1–2x <b>TESSAROL PRO HEAT PROTECT</b> (both shades)

## NOTES AND SPECIAL FEATURES

For the best possible protection, the coating should be air-dried for at least 48 hours after application, then gradually and slowly heat the protected object.

If possible, apply coating on horizontal surfaces. On vertical surfaces proper dry film thickness with no dripping, can be achieved with two thin wet layers (second layer after 24 hours):

100 ml/m<sup>2</sup> (10,0 m<sup>2</sup>/l for 20 µm dry film thickness – SILVER) in one layer  
60 ml/m<sup>2</sup> (16,7 m<sup>2</sup>/l for 20 µm dry film thickness – BLACK) in one layer