



TRIOFLAME 8800

Fire protection weather-resistant coating

DESCRIPTION: A two-pack fire protection weather-resistant material.

TYPE AND RECOMMENDED USE: Thick film fire protection coating increases its own fire resistance rate of steel structures in standard temperature conditions in accordance with GOST 30247.0. The operating temperature range of the resulting coating is from minus 60°C to plus 70°C.

PHYSICAL CONSTANTS:

Color: From white to beige.

Volume solids: 98 ± 2 %

Film thicknesses: Fire protection coating's thickness is required fire resistance rating dependent. (see separate sheet of TRIOFLAME 8800 loading requirements). Contact your O3-Coatings representative for additional data.

Recommended wet film thickness (WFT) 2040 microns per one airless spray coat, that is equal to 2000 microns dry film thickness (DFT).

Drying times:

Drying times for 2040 microns DFT				
Substrate temperature	5 °C	10 °C	20 °C	30 °C
To touch	9 hours	6 hours	3 hours	2 hours
To overcoat by TRIOFLAME 8800	14 hours	10 hours	6 hours	4 hours

Drying time is film thickness dependent. These figures are given as a guide only. Factors such as air movement and humidity must also be considered.

If the maximum overcoating interval is exceeded, roughening of the surface is necessary to ensure intercoat adhesion.

SURFACE PREPARATION: Fire-protection coating is applied to previously primed surface. The primed surface should be clean, without dirt, uniform and smooth before the fire protection coating is applied. Surface temperature must be at least 3 °C above the dew point. The typical scheme of preparation includes cleaning, oil and grease removing (if necessary), salt removing (if necessary) and dust removing.

Technical Data Sheet



APPLICATION DETAILS:

Material preparation:	A two-component material supplied in separate containers to be mixed prior to use. In cold conditions it will help mixing and application if the material can be stored in a warm environment for at least 24 hours prior to use. A temperature between 15°C and 30°C is recommended. Before application mix Additive with Base and maintain stirring for 3-5 minutes. Mixing Ratio is given in product certificates of quality.
Pot life:	45 minutes – 15°C 30 minutes – 20°C
Application method:	Airless Spray / Manual Application (spatula).
Thinner:	Recommendations on dilution – in accordance with requirements of the Technology regulations.
Nozzle size:	.019"- .025"
Operation pressure:	(220-350) bar.
Cleaning of tools:	Solvent 646 (thinner TRIOSOLV 0003 or xylene technical may be used). Clean equipment immediately if stop spraying for more than 10 minutes.
Application conditions:	Should be applied at temperatures above minus 10°C; Relative humidity: 85% maximum; (In confined spaces provide adequate ventilation during application and drying).
STORAGE:	Base – 24 months from date of manufacture. Additive – 12 months from date of manufacture. Store in dry, shaded conditions at temperature between plus 5°C and plus 30°C in hermetic original package away from UV rays and other sources of heat.
RECOMMENDED SYSTEMS:	
Primer:	TRIOCOR MASTIC 4500 or other primers, in accordance with fire safety certificates.
Topcoat:	TRIOCOR FINISH 5500 or other topcoats, in accordance with fire safety certificates.
PACKAGE:	Part A (Base) – 20 L container. Part B (Additive) – 3,0 L container or 3,2 L container.
HEALTH AND SAFETY:	Refer to the Safety Data Sheet before use.