

TRIOFLAME KONSTRUKTIV AK 7111

Fire protection spray-applied material

DESCRIPTION: Styrene-acrylic and solvent based fire protection spray-applied material.

TYPE AND RECOMMENDED USE: Fire protection spray-applied material designed to be used on steelwork requiring protection from cellulosic fire; provides passive fire protection of different purpose steelwork of industrial and infrastructure facilities; to provide fire resistance for different fire resistance ratings on structural steel in a cellulosic fire in accordance with rules and regulations, fire resistance rating and fire danger class of a building. The coating can be used at operating temperatures as low as -40°C and as high as +70°C.

PHYSICAL CONSTANTS:

Colour: White

Volume solids: 70 ± 2 %

Film thicknesses: Fire protection coating's thickness is required fire resistance rating dependent. (See separate sheet of TRIOFLAME KONSTRUKTIV AK 7111 loading requirements). Contact your O3-Coatings representative for additional data.

Recommended wet film thickness (WFT) 2500 microns per one airless spray coat, that is equal to 1800 microns dry film thickness (DFT).

Density: 1.30 ± 0.05 ltr/m²

Drying times:

Drying times for 1800 microns DFT				
Substrate temperature	0°C	10°C	20°C	30°C
To touch	1 hour	40 minutes	20 minutes	10 minutes
To recoat	12 hours	8 hours	6 hours	4 hours

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

SURFACE PREPARATION: This material should be applied on prior prepared and primed surface. Ensure surfaces to be coated are clean, dry and free from all surface contamination, with a temperature at least 3°C above the dew point. Typical surface preparation includes cleaning, degreasing (if necessary), salt removing (if necessary) and dust removing from primed surface.

APPLICATION DETAILS:

Material preparation: A one-component material, stir thoroughly within 3-5 minutes before application.

Application method: Airless Spray / Brush / Roller

Thinner: Not recommended

Nozzle size: .019" - .025"



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Technical Data Sheet

Operation pressure: 200-215 bar

Cleaning of tools: TRIOSOLV 0003

Application conditions: Should be applied at temperatures above -10°C;
Relative humidity: 85% maximum;
(In confined spaces provide adequate ventilation during application and drying).

RECOMMENDED SYSTEMS:

Primer: TRIOCOR PRIMER 1100 or other primers, in accordance with Type Approval under Federal Law №123.

Topcoat: TRIOCOR FINISH 5500 or other topcoats, in accordance with Type Approval under Federal Law №123.

STORAGE: 2 years from date of manufacture. Store in dry, shaded conditions at temperature between +5°C and +30°C in hermetic original package away from UV rays and other sources of heat.

ADDITIONAL NOTE: The material is thermoplastic.

It is allowed to remain TRIOFLAME KONSTRUKTIV AK 7111 un-topcoated when exposed to heated internal areas if there are no intensive moisture condensation and temperature difference above and below 0°C in C1-C2 environment (as defined in ISO 12944-2:1988).

PACKAGE: 25 kg net

HEALTH AND SAFETY: Refer to the Safety Data Sheet before use.