



TRIOFLAME AK 7000

Fire protection intumescent coating

DESCRIPTION:	A one-component water based acrylic fire protection intumescent material.															
TYPE AND RECOMMENDED USE:	Thin film fire protection intumescent coating 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 on structural steel in a cellulosic fire in accordance with rules and regulations, fire resistance rating and fire danger class of a building.															
PHYSICAL CONSTANTS:																
Colour:	White.															
Volume solids:	70 ± 5 %															
Film thicknesses:	Fire protection coating's thickness is required fire resistance rating dependent. (see separate sheet of TRIOFLAME AK 7000 loading requirements). Contact your O3-Coatings representative for additional data. Recommended wet film thickness (WFT) 1500 microns per one airless spray coat, that is equal to 1050 microns dry film thickness (DFT).															
Drying times:	<p style="text-align: center;">Drying times for 1050 microns DFT</p> <table border="1"><thead><tr><th>Substrate temperature</th><th>5°C</th><th>10°C</th><th>20°C</th><th>30°C</th></tr></thead><tbody><tr><td>To touch</td><td>6 hours</td><td>3 hours</td><td>1,5 hour</td><td>1 hour</td></tr><tr><td>To recoat</td><td>12 hours</td><td>6 hours</td><td>3 hours</td><td>2 hours</td></tr></tbody></table> <p>Drying time is thickness dependent. These figures are given as a guide only. Factors such as air movement and humidity must also be considered.</p>	Substrate temperature	5°C	10°C	20°C	30°C	To touch	6 hours	3 hours	1,5 hour	1 hour	To recoat	12 hours	6 hours	3 hours	2 hours
Substrate temperature	5°C	10°C	20°C	30°C												
To touch	6 hours	3 hours	1,5 hour	1 hour												
To recoat	12 hours	6 hours	3 hours	2 hours												
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 / Manual application.															
Thinner:	Not recommended.															
Nozzle size:	.019"- .027"															



Technical Data Sheet

Operation pressure:	(90-120) bar.
Cleaning of tools:	Potable water.
Application conditions:	Should be applied at temperatures above +5°C; Relative humidity: 85% maximum; (In confined spaces provide adequate ventilation during application and drying).
RECOMMENDED SYSTEMS:	
Primer:	TRIOCOR PRIMER 1100, TRIOCOR MASTIC 4500 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:	12 months 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.
PACKAGE:	Plastic container (22 kg net) Metal container (25 kg net) Plastic barrel (50 kg net).
HEALTH AND SAFETY:	Refer to the Safety data Sheet before use.