

TDS 0334

REVIEW: 01/2015

STANDARD: NCH 935/1 OF.97

IRAM 11950

IRAM 11957

Stofire 879

Component A: 879.9149

Component B: NA



Stofire 879 uses specially selected raw materials, showing fire protection for metal building materials. The film significantly increases its volume before the high temperatures of a fire (swelling), creating a carbon foam with high thermal insulation. Classified according to the IRAM 11949. Certified by INTI Report as N-101/14751

TECHNICAL CHARACTERISTICS**TYPE**

Water based paint. One component

USAGE

Recommended for interior metal surfaces previously painted with epoxy anti-corrosion. (Other coats with prior consultation). Applicable on sustentação of metal structures such as beams, columns, scissors, and tubes.

TECHNICAL INFORMATION

COLOR	White	Other colors, please consult.
FINISH	Matt	
VOLUME SOLIDS	65,5% ± 3	According to ISO 3233
WEIGHT PER LITER	1,300 ± 0,05 g/ml	According to ASTM D 1475
ADHERENCE	Gr0 on anti-corrosive primer	
TEMPERATURE TUMESCENCE	200°C	
DRY THICKNESS	250 µm	
WET THICKNESS	380 µm	
THEORETICAL SPREADING RATE	2,620 m ² /l - 250 µm	
DRYING AT 25 ° C	Least 8 hours before applying the second coat	

ENVIROMENTAL CONDITIONS	Temperature	Should be between 10 to 40°C.
	Relative Humidity	Between 30 and 85%
	Dew Point	Not applicable
	Thinner	Water

APPLICATION	Brush	Dilute 5% to 10% (vol.) with water. Apply in successive thin coats.
	Roller	Dilute 5% to 10% (vol.) with water. May be necessary increase the number of wet coats. Using deep-pile roller to facilitate the transfer paint to the substrate.
	AirLess Spray Gun	Dilute 5% to 10% (vol.) with water.

SURFACE PREPARATION	Recommended Primers	Oxibar PFC 533, Oxibar DFC 707 and Oxibond DHS 907. For other primers consult our Technical Department
	Recommende Topcoats	For exposure to weathering recommended to use acrylic or polyurethane. For other topcoats, see our Technical Department.

SHELF LIFE	12 months
AVAILABLE PACKAGING	Bucket (20 liters).

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IMPORTANT RECOMMENDATIONS

1. The practical spreading rate of the product varies according to the applied thickness, application method and techniques, type and rugosity of the surface and ambient conditions.
2. The weight/l, viscosity and drying values were obtained in laboratory at a temperature of 25°C. At an altered temperature, the results might be different from the specified ones.
3. Total dry film thickness depends on the massiveness of the metal structure and time specified resistance (RF15 to RF90). Consult our Technical Department.
4. The coating should not be exposed to rain or moisture. In this case protect the structure
5. The intumescent paint must be protected with topcoat. In special environments, consult our technical department to define recommended topcoats.

SAFETY PRECAUTIONS

1. Improper use and handling of this product can be hazardous to health and cause fire or explosion. Do not use it without first taking all appropriate measures to prevent property damage and injuries.
2. Storage: keep the product in sheltered, well-ventilated areas. Maximum temperature: 40°C. Must not be directly exposed to the sun.
3. Flammable: flammable product, which must be kept distant from ignition sources, and do not smoke nearby.
4. Inhalation: Avoid breathing vapors, keeping proper ventilation during application and drying.
5. Handling: wear proper protective clothing and masks, goggles, etc. Do not eat or drink nor allow children and animals to be near the application area.

HEALTH HAZARDS

1. Skin contact: wash affected area thoroughly with neutral soap.
2. Clothing contact: remove clothing and wash it.
3. Leakage: Isolate the area, and do not smoke nearby. If large quantity leaked in confined area, wear protective masks. Do not inhale vapors. Stop leakage with sand, sawdust or soil, and transfer liquid and solid to separated recipients for disposal.
4. Fire: protect non-affected recipients with water spray. Extinguish fire using carbon dioxide, foam or dry chemical.
5. Eyes contact: flush eyes with large amounts of clean water for at least 10 minutes, and get medical attention immediately.

IMPORTANT: For further information consult the product MSDS (Material Safety Data Sheet).
