



PLASTOELASTIC SEALANT BASED ON ACRYLIC DISPERSION. SUITABLE FOR SEALING LESS STRESSED JOINTS AND PENETRATIONS IN CONSTRUCTION INDUSTRY WHERE FIRE RESISTANCE IS REQUIRED AS IT PREVENTS FIRE, SMOKE, TOXIC GAS AND WATER TO SPREAD IN CASE OF FIRE.

PROPERTIES

- Easy application.
- Does not slump in vertical joints.
- Good adhesion on porous materials.
- It can be applied on moist surfaces.
- Once fully cured it becomes water resistant.
- Once fully cured it can be painted.
- Resistant to various atmospheric effects, sunlight and ageing.
- Solvent free [VOC free].
- Fresh sealant can easily be cleaned with water.

TESTS AND CERTIFICATES

EN 15651-1	CE
EN 13501-2 EI 240 V-X-F-W 10 to 20	flammability test
EMICODE EC 1+	emissions test

USE

The products is intended to be used in construction industry - in constructing flats, hotels, suites, prisons, offices, hospitals, airports, factories, etc.

- Suitable for sealing joints around fire door and wall penetrations for cables and pipes.
- Suitable for sealing less stressed joints and penetrations when fire resistance is required as it prevents fire, smoke, toxic gas and water to spread in case of fire.
- For sealing joints between window frames, doors, plasterboards and concrete elements.
- For sealing final joints between sills and walls and frames of window blinds.

TECHNICAL DATA

Fresh sealant

Base		acrylic dispersion
Appearance		paste
Curing mechanism		water evaporation
Specific gravity		1650 ± 30 kg/m ³
Skin formation time	23 °C/50 % rel. humid.	10-15 min.
Application temperature		between +5 °C and +40 °C

Cured sealant

Hardness Shore A	ISO 868	40-45
Change in volume	ISO 10563	15 ± 1 %

Temperature resistance

between -20 °C and +75 °C

APPLICATION

Surface preparation:

Surfaces to be sealed should be hard, clean, dust and fat free. Remove all separated and badly attached pieces. TTK SEAL FIRESTOP ACRYL can be applied on moist surfaces.

Joint and cartridge preparation:

- For better adhesion use a primer, which consists of TTK SEAL FIRESTOP ACRYL sealant and water [1 part sealant + 3 parts water]. Wet the surface with a brush or cloth and leave for a few minutes.
- Cut the cartridge at the top and screw on the nozzle, which has to be cut according to the width of the joint/seam and placed in the gun. During work interruption release the handle on the gun and pull the piston back. The sealant should be applied as evenly as possible. You can also use a spatula.
- At the end, use a smoothing tool - a TTK smoothing instrument, or a finger dipped in water to level the sealant before the skin starts to form. It is very important to press the sealant well against the surface to be sealed.
- After use fresh sealant and tools can easily be cleaned with water. Hardened adhesive can be removed mechanically.

Joint length (mm)	Joint width (mm)				
	4	6	8	10	12
4	18.7	12.5	9.3		
6		8.3	6.2	5.0	
8			4.7	3.7	
10				3.0	

The table shows how many linear metres of joints we can seal with one 300 ml cartridge relative to the width and depth of the joint.

PACKAGING

- 300 ml cartridge.
- 600 ml, 400 ml sausage.
- 200 l drum.
- Other packagings are available by agreement.

STORAGE

18 months in a dry space at temperature range between 5 °C and 25 °C, in originally closed packaging.

HEALTH, SAFETY HANDLING AND DISPOSAL INFORMATION

Additional information on safety, safe handling instructions and personal protective equipment as well as disposal information are available in a safety data sheet. Safety data sheet is available upon request. You can also ask your TTK distributor for a copy.

WARNING

Instructions contained in this document are based on our research and experience, however, due to specific conditions and working methods we recommend that you perform preliminary tests prior to any application of our products.



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