

Technical Data Sheet

FIRE STIKK FLAME RETARDANT ADHESIVE



FIRESTIKK FR IS A HIGH PERFORMANCE, FIRE RESISTANT, SMOKE-TIGHT, ONE COMPONENT JOINT AND ADHESIVE SEALANT BASED ON HYBRID POLYMERS.

FIRESTIKK FR HAS AN OUTSTANDING BOND STRENGTH ON NEARLY ALL SURFACES AND CAN BE USED IN SLIGHTLY DAMP CONDITIONS.

Firestikk FR is used for bonding and sealing fire retardant expansion and connection joints in the construction industry, bonding and sealing components when making penetration seals and joints and for flexible connections in automotive applications where a level of fire retardancy is required

BENEFITS

- Fire-retardant
- Excellent smoke-tight properties
- Use for penetration firestop sealing and bonding
- Use for fire retardant expansion and construction joints
- High bond strength

TECHNICAL DATA

Brookfield viscosity:	Paste
Solids content:	100%
Specific gravity:	1.57
Skin formation (20°C and 65% RH):	Approx 10mins
Curing rate (20°C and 65% RH):	2mm per 24hrs
Hardness:	20 +/- 5 shore A
Temperature resistance:	-40°C to +90°C
Elongation at break (DIN 53504):	430%
Elasticity modulus (DIN 53504):	0.33 N/mm ²
Elasticity recovery:	Greater than 70%
Breaking strength (DIN 53504):	0.82 N/mm ²

AVAILABLE SIZES

Cartridge	290ml
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AVAILABLE COLOURS

Grey

PREPARATION AND APPLICATION

Ensure that the surfaces to be bonded are smooth, clean and free from dust or other deposits. Recommended application temperature is within the range of 1°C to 30°C

Insert the cartridge into a suitable applicator, e.g. a skeleton gun, or pneumatic applicator. Slit the cap and screw on the nozzle. If required, slit the nozzle to increase the size of the orifice. Dispense the bead of adhesive on one side of the substrates to be bonded. Bring substrates together and apply pressure to ensure full contact..

HANDLING AND STORAGE

Firestikk FR should be stored in the original cartridges in a cool, dry place, at a temperature range of between 5°C and 25°C. In these conditions it has a storage life of at least 12 months.

LIMITATIONS

Firestikk FR has good chemical resistance against water, aliphatic solvents, mineral oils, grease, diluted inorganic acids and alkalis, but poor chemical resistance against aromatic solvents, concentrated acids and chlorinated hydrogens.

DISCLAIMER: Due to the variation in materials likely to be handled by prospective users of this product, together with differences in production techniques and ultimate performance required, it is important that this product is thoroughly evaluated under production and end use conditions before being commercially adopted. Such an evaluation should incorporate an ageing test and this test should be repeated if the substrates on which the this product is used are changed in any way or are purchased from a different source. During the evaluation and testing of the product, it is the purchasers/end user's responsibility to carry out appropriate actions for the protection of the environment, the health and safety of its employees and purchasers of its products. No employee of Ureka Global Ltd has any authority to waive or change the forgoing provisions. The above recommendations are made in good faith for the guidance of users and are without liability. Any queries should be made in writing to the head office of Ureka Global Ltd.

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