



# Damex FR Adhesive



Damex FR Adhesive is a single component, neutral curing, permanently elastic hybrid polymer designed for bonding the Damex FR Non-Combustible DPC & Cavity Tray and the optional stainless steel units. It has an excellent primer-less adhesion to a wide range of surfaces such as masonry, stainless steel, sheathing boards and plastics such as ABS/uPVC.

## Characteristics

- Damex FR Adhesive is chemically neutral and low odour during and after curing
- Tested in isolation to EN13501-1:2018 achieving class B-s1,d0 when applied to a Class A2 substrate
- Once fully cured the adhesive has a high mechanical strength yet remains permanently flexible
- Resistant to UV, weather and ageing
- Isocyanate and silicone free
- EC1 Plus - Very low emission
- Fast curing (Approx. 25 minute initial skin formation time)



## Technical Characteristics

Composition	Hybrid polymer
Curing	Cures by airborne moisture
Nature	Elastic
Reaction to fire EN 13501-1	Tested in isolation to EN 13501-1 achieving class B-s1,d0 when applied to an A2 substrate
Density	1.6g/m <sup>3</sup>
Skin forming time	~25 minutes at +25°C & 50%RH
Cure rate	~3mm/24 hours
Maximum movement	20% tested to ISO 11600
Tensile strength at break	~0.7N/mm <sup>2</sup>
Elongation at break	~240%
Shore A hardness	~30
Service temperature	+40°C to +90°C
Application temperature	+5°C to +40°C
Storage	Store in shaded dry conditions between +5°C and +25°C
Shelf life	12 months when stored as recommended in original unopened containers

## Packaging & Colour

600ml foil sausages - 20 per box - Available in concrete grey or black

## Consumption

Approximately 2x 600ml foils needed for each roll of 25mtr Damex FR Non-Combustible DPC & Cavity Tray when used with an 8mm diameter bead

## Method of Use

### Preparation

The surfaces must be clean, free of loose material, dry to slightly damp, frost, dust and grease-free. Due to the wide variety of different substrates, adhesion tests are recommended. Slight moistening is beneficial to the curing of the adhesive.

### Cleaning

Fresh, uncured adhesive can be removed with a suitable cleaner or hand wipe. Cured material can only be mechanically removed with the help of a suitable tool or blade.

### Application

For the full application instructions, please see the Damex FR installation guide or contact our technical team.

### Health & Safety Precautions

Please consult the safety data sheet prior use.

### Limitations

If used on natural stones, staining of the edges cannot be excluded.

Not suitable for use with PE, PP, PA, PTFE (Teflon®), bituminous substrates, polycarbonate and polyacrylate, copper or glazing.

Damex FR products are manufactured to rigid standards of quality. No liability can be accepted for the information stated within this document. This information is published in good faith and believed to be complete and correct. Damex FR reserves the right to alter product specifications without prior notice. Please ensure site trials are conducted to ensure product suitability & compatibility.