

## PRODUCT DESCRIPTION

Duram Resiflex FC is a fast cure, flexible, high modulus, construction grade, polyurethane joint sealant.

## USAGE/PURPOSE

Duram Resiflex FC is used to seal and provide waterproofing to:

- Joins
- Gaps
- Corners (Filletts)
- Penetrations
- Cracks
- Bonding Tiles
- Ridge Tiles
- Bonding plastic and metal angles to Concrete, Timber and FC Sheeting Substrates

## FEATURES & BENEFITS

- Fast cure
- Single pack – in 600ml sausages.
- Easy to use
- Tools off easily
- Flexible
- Compatible with Duram Waterproofing Membranes
- Excellent adhesion
- Paintable

## PACKAGING

600ml sausages packed 20 to a carton.

## COLOUR

Grey.

## SHELF LIFE

Up to 12 months in unopened and undamaged containers.

## STORAGE

Store in cool and dry area. Protect product from damage. Product will cure if exposed to air.

### TYPICAL PHYSICAL PROPERTIES

PROPERTY	TYPICAL VALUES
Application Temperature Range	5°C to 40°C
Service Temperature Range	-20°C to 80°C
Specific Gravity	1.30
Hardness Shore A	35-40
Modulus	ISO 8339 at 100% 0.35-0.45 MPa
Elongation at Break	ISO 8339 250%
Resistance at Break	ISO 8339 0.6 MPa
Movement Capability	25%
Elastomeric Recovery	ISO 7389 >70%



## COVERAGE/YIELD

The stated average coverage rate may vary depending upon type, condition, porosity, texture of the surface and application technique.

Approximate coverage (strip length) per 600ml sausage:

	Joint Depth 4mm	Joint Depth 6mm	Joint Depth 8mm	Joint Depth 10mm
Joint Width 4mm	36m			
Joint Width 6mm	25m	16m		
Joint Width 8mm	19m	12m	9m	
Joint Width 12mm	12m	8m	6m	5m

## LIMITATIONS

Resiflex FC is not designed for long term direct exposure to sun light.

## SUITABLE SURFACES

- Concrete
- Cement
- Terracotta and Earthenware
- Anodised Aluminium
- Most Metals
- Timber
- Brick and Block Work

## SURFACE PREPARATION

- Good preparation is essential.
- Surfaces must be sound, stable, dry, clean and free of dust, loose, flaking, friable material and substances that may diminish adhesion.
- Remove either mechanically or by manual wire brushing or other means any loose material, contaminants and other adhesion reducing agents such as rust, dust, friable matter, wax, oils and grease.
- New concrete should be allowed to cure for 4 weeks.
- A preliminary test must be done on siliconised tiles. Users must determine compatibility with surfaces, adhesion and staining.



## PRIMING

Resiflex FC typically adheres tenaciously to common construction substrates without primers. However, Duram always recommends that a field adhesion test be performed on the actual materials being used on the job to verify the need for a primer. If a primer is needed, use the following:

- ❑ For Porous Substrates: Duram Primeseal MC
- ❑ For Non Porous Substrates: Duram Super Prime 711
- ❑ For Metal Surfaces: Duram ME Primer

## APPLICATION

- ❑ Apply sealant in continuous strip with enough pressure to properly fill and seal the joint, crack, corner or gap.
- ❑ Corner fillets should extend at least 10mm along both the vertical and horizontal surfaces at a 45-degree angle and at least 5mm beyond the base rung of mortar.
- ❑ Allow to at least skin before applying Multithane or Duram 195 over it. Resiflex FC should be fully cured if applying water-based membranes over it.
- ❑ If used to bond tiles, metal or timber surfaces must be supported for up to 15 hours if weight exceeds 8kg per m<sup>2</sup>.
- ❑ Painting: The joint can be painted when cured with conventional acrylic or vinyl paints, but preliminary tests should be done. Joint movement may result in the paint cracking.
- ❑ Other Information: Please refer to the data sheet on Duram Leak-Seal Tape for the waterproofing of joints, cracks and gaps.

## CURING

Drying and curing of the product is affected by type, dryness and porosity of the surface, temperature, humidity, ventilation, climate conditions and application technique and therefore drying and curing can only be given as a guide.

- ❑ Skin Formation: Approx. 45' at 23°C, 50% RH
- ❑ Rate of Cure: > 3mm / 24hrs at 23°C, 50% RH
- ❑ Application Temperature: + 5°C to 40°C
- ❑ Service Temperature: -20°C to 80°C.

## TILING, TOPPING OR TOP COATING

Not applicable.

## CLEAN UP

Whilst wet, clean with white spirits. If cured, remove mechanically or manually by scraping. It may not be possible to remove all the contents.

## SPECIFICATION

The information contained in this product data sheet is typical but does not constitute a full specification as conditions and specific requirements may vary from project to project. The instructions should be considered as a minimum requirement. The applicator or contractor must use their skill, knowledge, and experience to carry out additional works as may be necessary to meet the requirements of the project. Specification for specific projects should be sought from the company in writing.

## HEALTH & SAFETY PRECAUTIONS

Use for intended purpose only. Use in well ventilated areas. Observe good industrial hygiene. The use of rubber gloves is recommended. Product is flammable. Keep away from flame and sources of ignition. Contains isocyanates. If on skin, wash immediately with soap and water. If in eyes, immediately flush thoroughly with clean water and seek urgent medical attention. Product is very thick, so splashes is unlikely. Introduction to eyes most likely by contact with product via hands. Inhalation is unlikely, but remove person to fresh air and seek urgent medical attention.

The Safety Data Sheet (SDS) must be read and understood prior to use.

## CONDITIONS OF USE AND DISCLAIMER

The information contained in this TDS is given in good faith based upon our current knowledge and does not imply warranty, express or implied. The information is provided and the product is sold on the basis that the product is used for its intended purpose and is used in a proper workmanlike manner in accordance with the instructions of the TDS in suitable and safe working conditions. Under no circumstances will the Company be liable for loss, consequential or otherwise, arising from the use of the product.

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