



# RESIFLEX FC

FLEXIBLE PU SEALANT/MASTIC IN 600ML SAUSAGES

## DESCRIPTION

**Duram Resiflex FC** is a fast cure, flexible, high modulus, construction grade, polyurethane joint sealant in 600ml sausages.

## USES

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

## SUITABLE SURFACES

- Joins
- Gaps
- Corners (Filletts)
- Penetrations
- Cracks
- Bonding Tiles
- Ridge Tiles
- Bonding plastic and metal angles to concrete, timber and FC sheeting substrates
- Concrete
- Cement
- Terracotta and Earthenware
- Anodised Aluminium
- Most Metals
- Timber
- Brick and Block Work

**Duram Resiflex FC** generally adheres to most surfaces without priming but they must be sound, dry, clean and free of dust, contaminants and loose matter. If in doubt, prime surface with **Duram Primeseal**.

## BENEFITS AND ADVANTAGES

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

## 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 but 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.

## LIMITATIONS

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

## PRECAUTIONS IN USE

Avoid contact with skin. In the event of contact with eyes, clean immediately with water and obtain medical attention. Use in well ventilated areas. Keep away from flame and sources of ignition. Contains isocyanates.

## 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.

## COVERAGE

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 (in mm)	Joint Width (in mm) 4	Joint Width (in mm) 6	Joint Width (in mm) 8	Joint Width (in mm) 12
4	36	25	19	12
6		16	12	8
8			9	6
10				5

## DRYING AND 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.

## COLOURS

Current stocks are grey. However, the product is available in white, tile, or black if quantities are sufficient.

## 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.

## STORAGE AND PACKAGING

Store in cool and dry area. Protect product from damage. Product will cure if exposed to air.  
Shelf life: Up to 12 months in unopened and undamaged containers.  
Packaging: 600ml sausages packed 20 to a carton.

## SAFETY AND PRECAUTIONS

Use for intended purpose only. Observe good industrial hygiene. The use of rubber gloves is recommended. Product is flammable. Keep all sources of ignition away. Use in well ventilated areas. 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.

For full safety data refer to the products Safety Data Sheet. Observe precautions as per label.

## TESTS AND TECHNICAL DATA INFORMATION TO BE UPDATED

Application temperature range	+5 <sup>0</sup> C to 40 <sup>0</sup> C
Service temperature range	-20 <sup>0</sup> C to 80 <sup>0</sup> C
Specific gravity	1.30
Hardness Shore A	35-40
Modulus	ISO 8339 @ 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%

Complete test summary and results are available from Duram upon request. Revision: 1- 2020

## 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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