

DUROSEAL FC

Elastomeric Polyurethane Joint Sealant

Duroseal FC is a single component moisture curing polyurethane construction sealant. Duroseal FC is tough durable and has good chemical resistance.



PRINCIPLE CHARACTERISTICS

- ◆ Highly Flexible
- ◆ Fast curing
- ◆ Paintable
- ◆ Tear resistant
- ◆ Excellent adhesion to most common building materials



USE AREA

Perimeter sealing of windows, Curtain Walls, Masonry Joints, Expansion joints in precast / tilt up panels. Tile joints in walls & floors. Metal cladding, Pavement Joints, Car parks, Driveways. General Construction sealant. Adhesive for light weight components.



PACKAGING

- ◆ 600ml

TECHNICAL INFORMATION

Type of product	Polyurethane
Curing system	Moisture cured
Density (specific gravity)	1.2
Movement Capability	+/-25%
Shore A hardness	25
Chemical Resistance	Excellent to water, detergent solutions, diluted acids & alkalis, petrol and oil for short periods.
Application temperature	+5°C to +40°C
Service temperature	-30°C to +90°C
Storage: Cool Dry between	10°C and 35°C
Tack Free Time	2hrs @ 23°C & 60% RH
Cure Time	3mm/24 hrs
Skin Time	30-40 min
VOC	(Californian South Coast air Quality Management Rule 1168) 62gm/Lt
Shelf life	12 months in original packaging
Clean up	Uncured material can be removed using industrial strength sol-vent such as Xylene or mineral turps

Packaging	600ml sausage / 20 per carton
Colours	Grey, White, Off Grey, Black
Test certificates to AS:	4020:2005 for use with potable water
Tensile Strength ISO 37	1.1 Mpa
Tear Strength ISO 34	6.5N/mm

JOINT PREPARATION

Care must be taken to ensure the substrates are sound, clean and free from contamination.

If necessary clean with Durotech cleaning solvent.

PRIMING

Priming is not normally required for most substrates, however for suspect surfaces adhesion testing is recommended.

When required apply the correct Primer and allow to dry. (It is highly recommended to prime floor joints). See Primer Selection Chart.

BACKER ROD

Where required use Durofoam open cell backer rod. Closed cell backer rod is al-so suitable but care must be taken not to damage the outer skin of the rod as this can cause gassing (bubbles) in the sealant. When the depth of the joint does not allow for backer rod a bond breaker tape is required to prevent three sided adhesion.

APPLICATION

Fill the prepared joint completely taking care not to entrap air (entrapped air may cause bubbles in the sealant). Dry tool immediately before the sealant skins. Tooling time is a minimum of 10 minutes depending on temperature and humidity.

LIMITATIONS

Not suitable for internal swimming pool applications.

SAFETY

This product is not classified as hazardous according to Work safe Australia however skin irritation and sensitisation may occur in sensitive individuals. Please consult M.S.D.S. for this product for further information.

ADEQUATE TESTS

The information contained in this bulletin we believe is correct to the best of our knowledge and tests. The recommendation and suggestion contained herein are made without guarantee or representation as to the results. We recommend that adequate tests be made in your laboratory or plant to determine if this product meets all your requirements.



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