



Resiflex Hybrid

Polyurethane Hybrid Sealant

PRODUCT DESCRIPTION

Resiflex Hybrid is a low modulus, single-component, moisture-cure polyurethane hybrid sealant. Formulated with proprietary polymer technology, Resiflex Hybrid provides a fast cure, paintable sealant that is fantastic for façade and window perimeter sealing.

USAGE/PURPOSE

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

- ☐ Control Joints
- ☐ Precast Concrete Panel Joints
- ☐ Gaps
- ☐ Corners (Filletts)
- ☐ Penetrations
- ☐ Cracks
- ☐ Bonding plastic and metal angles to concrete, timber and FC sheeting substrates

FEATURES & BENEFITS

- ☐ Fast cure
- ☐ Single pack – in 600ml sausages.
- ☐ Easy to use
- ☐ Isocyanate and silicone free
- ☐ Flexible
- ☐ Compatible with Duram Water Based 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 a dry cool place in original unopened packaging.

TYPICAL PHYSICAL PROPERTIES

PROPERTY	TYPICAL VALUES
Application Temperature Range	4°C to 37°C
Service Temperature Range	-40°C to 90°C
Skin Time	45 minutes
Cure Time	2.5mm/day
% Solids by Volume	97%
Hardness Shore A	30
Tensile Strength	1.3N/mm ²
Modulus at 60% Extension	0.3N/mm ²
Modulus at 100% Extension	0.5N/mm ²
Elongation %	500%
Tear Strength	7.0N/mm ²
Movement Capability	+/-35%



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 5mm	Joint Depth 10mm	Joint Depth 15mm
Joint Width 5mm	24m		
Joint Width 10mm	12m		
Joint Width 15mm		4m	
Joint Width 20mm		3m	
Joint Width 25mm		2.4m	1.6m

LIMITATIONS

- ☐ Not recommended for use with natural rubbers such as EPDM, PVC or TPO.
- ☐ Not recommended for use under polyurethane waterproofing membranes.
- ☐ Not recommended for use on damp or green concrete.
- ☐ Not recommended for exposure to harsh chemicals such as acids, degreasing agents, or hydrocarbons (chlorine, bromine, etc.).
- ☐ Not recommended for soft architectural finishes without prior testing.
- ☐ Not recommended for Natural Stone without prior testing.
- ☐ Not recommended for use on bitumen, it will result in discoloration.
- ☐ Not recommended for use in chlorinated, potable, heavy or wastewater.

SUITABLE SURFACES

- ☐ Masonry
- ☐ Aluminium
- ☐ Vinyl Siding
- ☐ Renders
- ☐ Polystyrene



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.
- ❑ Metal & glass should be cleaned with Duram Solvent. Solvent should be wiped from the surface with a clean, dry cloth. For plastics contact Duram for a recommended cleaning solvent, when used on remedial work all existing sealant must be removed.

PRIMING

Duram Resiflex Hybrid 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

- ❑ Ensure that the backer rod is friction fitted properly or bond breaker tape has been installed and any primers required have been applied.
- ❑ Slide the sealant into the applicator gun, cut off the very end of the sealant packaging and fit the gun with the nozzle that has been cut to deliver the right bead size.
- ❑ Extrude the Resiflex Hybrid sealant into the joint, ensuring that no air is trapped in the joint.
- ❑ Fill the joint completely with a proper width-to-depth ratio (2:1), and tool to ensure intimate contact of sealant with joint walls.
- ❑ Tooling the sealant is recommended immediately after the application of the sealant. Dry tooling is always preferred. For a cleaner finish, mask the sides of the joint with tape prior to filling.

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.

- ❑ Resiflex Hybrid generally cures at a rate of 2.5mm per day at 24°C and 50% relative humidity.
- ❑ Resiflex Hybrid will skin in 45 minutes and be tack free in 4-6 hours. The cure time will increase as temperatures and/or humidity increases.

TILING, TOPPING OR TOP COATING

Not applicable.

CLEAN UP

- ❑ Excess sealant and smears adjacent to the joint interface can be carefully removed with Duram Solvent before the sealant cures. Any utensils used for tooling can also be cleaned with Duram Solvent, mineral spirits or white spirits.
- ❑ Clean hands with Acetone or other mild solvent then brushing with a stiff-bristle brush. Water will accelerate the curing of the Resiflex Hybrid.

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 product for intended purposes 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. Avoid contact with skin. 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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