



DRI-FLEX 11 STP

High performance, isocyanate-free, multi-purpose elastic adhesive and joint sealant

Elastic, ultra-low VOC & isocyanate-free mono-component Silane Terminated Polymer (STP) sealant that cures on exposure to atmospheric humidity. It can be applied with caulking guns or battery-powered pneumatic caulking guns.

FEATURES/BENEFITS

- Ultra-low VOC & green formulation (isocyanate-free, solvent-free, acid-free)
- Excellent adhesion on most building materials
- Stays elastic after curing
- No odour & no silicone oil
- Non-bubbling under high temperature and humidity
- Can be overpainted

APPLICATION AREAS

- Interior & exterior
- Vertical & horizontal joints
- Window frames
- Adhesive for various materials
- Various substrates, such as concrete, cementitious materials, masonry, metal, glass, wood, ceramic, and many more.

PRODUCT DATA

Packaging	600ml foil sausage unipac
Shelf Life	12 months in unopened packaging
Storage Condition	Stored in a cool and dry storage place with storage temperatures of 5°C – 28°C, away from sunlight and excessive moisture.

TECHNICAL DATA

Origin	Silane terminated polymer (STP)
Appearance	Standard Colour: Grey Consistency: Stable Paste
Smell	Odourless
Specific Gravity	1.58 g/ml
Hardness	~35 Shore A
Maximum Tensile	1.2 N/mm ² (ASTM D412)
Slump	<1mm (ASTM D2202)
Elongation at Break	> 600% (ASTM D412)
Movement Capability	±50% (ASTM C719)

APPLICATION CONDITIONS

Curing System	Moisture-cured
Skin Formation	~ 35 minutes (23°C, 50% RH)
Curing Speed	3 mm per 24 hours (23°C, 50% RH)
Joint Dimensions	Min. width: 5 mm Max. width: 30 mm Recommended joint width = 2x joint depth
Application Temperature	5 – 35 °C
Temperature Resistance	-4 – 90 °C

SUBSTRATE

Surfaces must be clean, dry, sound, and free from grease, oil and dust. Dri-Flex 11 STP adheres without primers and/or activators. All common substrates such as concrete, aluminium, slates, stones, treated wood, PVC, etc. is compatible to be used with Dri-Flex 11 STP.

Not suitable for PE, PP, PTFE (Teflon), copper and asphaltic substrates. We strongly recommend a preliminary compatibility and adhesion tests before actual use.

MIXING

Dri-Flex 11 STP is supplied ready to use & does not require any mixing.

Joint sealant: Insert suitable backing rod to the required depth and apply Dri-Flex 11 STP into the joint, making sure that it comes into full contact with the sides of the joint and avoids any air entrapment. It is recommended to use masking tape where exact joint lines or neat lines are required. Remove the tape within the skin time.

Bonding/Adhesive: Apply in triangular beads, strips or spots at intervals of a few centimetres each. Use hand pressure only to fix the components to be bonded into position before skinning of the adhesive occurs. Incorrectly positioned components can be easily unbonded and repositioned during the first few minutes of application. If necessary, use temporary adhesive tapes, wedges, or supports to hold the assembled components together during the initial curing time.

Fresh, uncured adhesive remaining on the surface must be removed immediately.

CLEANING OF TOOLS

Cleaning with white spirit immediately after use (prior to curing).

LIMITATIONS

- Dri-Flex 11 STP may be overpainted with water-based paints. However, a spot compatibility test is always advised prior to full application of product.
- Drying times of certain paints may increase if used over product.
- Dri-Flex 11 STP is not recommended as a glazing sealant.
- Do not use under continuous high pressure water immersion.
- Discolouration due to prolonged exposure to chemicals, high temperatures and UV may occur. A change in colour does not affect the technical properties of the product.
- Contact with bitumen, tar, EPDM, neoprene etc. can cause discolouration or reduced adhesion.
- This product is for professional use only. Before using product, please read the safety data sheet (SDS) and instructions on packaging.

HEALTH & SAFETY

For information & advice on the safe handling, storage and disposal of chemical products, users shall refer to the most recent Material Safety Data Sheet containing physical, ecological, toxicological and other safety-related data.

LEGAL NOTE

The information, and, in particular, the recommendations relating to the application and end-use of these products, are given in good faith based on current knowledge and experience of the products when properly stored, handled and applied under normal conditions in accordance to the manufacturer recommendations. In practice, the differences in materials, substrates and actual site conditions are such that no warranty in respect of merchantability or of fitness for a particular purpose, nor any liability arising out of any legal relationship

whatsoever, can be inferred either from this information, or from any written recommendations, or from any other advice offered. The user of the product must test the product's suitability for the intended application and purpose. The manufacturer reserves the right to change the properties of its products. The proprietary rights of third parties must be observed. All orders are accepted subject to our current terms of sale and delivery. Users must always refer to the most recent issue of the local Product Data Sheet for the product concerned copies of which will be supplied on request.