

DESCRIPTION

PlekoFlex 15 is a one component, gun-grade, non-sag, moisture-cure polyurethane sealant designed to skin and cure rapidly. This high-performance product is designed with outstanding UV resistance and long-term durability.

FEATURES & BENEFITS

- Paintable
- Single component & convenient packing
- Excellent adhesion without priming
- Highly resistant to sea water, diluted acids and alkalis.
- Odourless
- UV resistant/ fast curing
- Low VOC
- Permanently flexible, excellent weatherability
- Easy to gun, Easy to tool
- Cures to a tough, durable, elastic consistency with
- excellent cut and tear resistance
- Non-sticky after cure

USES & APPLICATIONS

- Sealant is designed to seal concrete construction joints.
- To seal waterproof rivet seams and roof rails.
- To seal perimeter joints around windows and doors.
- Sealing corner moldings, fabricated roof-lap seams, bumper assemblies, and body-to-cab joints in motor homes.
- Sealing door hinges, skylights and potholes.
- Sealing Air conditioning equipment, flashing and gutters.

STANDARD COMPLIANCE

PlekoFlex 15 complies with the following standards: ASTM D1475, C639, USEPA Method 24, D412, D2240, C794, C793, C719

PACKAGING

600ml sausage, 20 sausages per carton.

COLORS

Grey, White, and Off-white.

TECHNICAL PROPERTIES

Specific Gravity @ 25oC, g/ml ASTM D1475	1.27±0.03
Skin Over Time @ 25oC, Minutes	25 - 35
Flow (sag or slump) ASTM C639	Non-Sag
Shrinkage, %	<5
VOC, (g/L) USEPA Method 24	<25
Tensile Strength (N/mm ²) ASTM D412	>0.6
Elongation at break, % ASTM D412	>150
Hardness: Shore A ASTM D2240	30±3
Peel Strength on concrete, N ASTM C794	>30
Effects of Accelerated Ageing @ 300 hrs. UV exposure ASTM C793	No deterioration
Application Temperature (°C)	+5 to + 40
Service Temperature (°C)	-20 to +80
Joint Movement Capability % ASTM C719	±25

HOW TO USE

PlekoFlex 15 may be used in any joint designed in accordance with accepted architectural/engineering practices. Joint width should be at least 4 times anticipated movement, and not less than (5mm). While applied on an expansion joint the depth (D) of the sealant should be equal to the width (W) of the joints that are less than 10mm wide. For wider joints, width to depth ratio should be 2:1.

Closed cell polyethylene backer rod is recommended as joint backing to control sealant depth and to ensure intimate contact of sealant with joint walls when tooling. Where depth of joint is insufficient for the use of backer rod, an adhesive backed polyethylene tape (bond break-er tape) should be used to prevent three-sided adhesion. All backing should be dry at time of sealant application. Avoid using sharp tools.

CURING

PlekoFlex 15 generally cures at a rate of 2mm per day at 25°C and 50% relative humidity. Lower temperatures and humidity will extend the curing time.

YIELD

Calculate foreseen yield for a standard 600ml sausage of **PlekoFlex 15**.

$$L = 600 / (W \times D)$$

Where: L = Length of sealant in meters obtained per cartridge.

D = Depth of the joint in mm

W = Width of the joint in mm

Joint Width (mm)	10	12	15	20	25
Joint Depth (mm)	6	8	8	10	12
Joint Length (m)/600 ml	10	6.2	5	3	2

PRECAUTIONS

HEALTH AND SAFETY

Use only with adequate ventilation. Prevent contact with skin, eyes and clothing. Wash thoroughly after handling. Avoid breathing vapors. DO NOT take internally. Use impervious gloves, eye protection if the TLV is exceeded or used in a poorly ventilated area. Always utilize the accompanying SDS for information on Personal Protective Equipment (PPE) and health Hazards.

SHELF LIFE & STORAGE

PlekoFlex 15 has a shelf life of 12 months when stored in tightly closed original casks, in a dry place at a temperature between +5°C and +25°C.



CLEANING AND DISPOSAL

Excess sealant and smears adjacent to the joint interface can be carefully removed with xylene or mineral spirits before the sealant cures. Any utensils used for tooling can also be cleaned with xylene or mineral spirits.

TECHNICAL SUPPORT

PLEKO provides on-site assistance, as well as consulting services on projects when requested.

Technical data sheets on other **PLEKO** products and guidance on their uses are available upon request

Additional Information

PLEKO provides the construction industry with a comprehensive range of construction chemicals and specialty products answering the queries of modern engineers for trouble free durable structure.

PLEKO designs tailor made products should there be critical application that requires specific properties rather than our main range. For our customer's satisfaction.

PLEKO reserves the right to change the properties of its products. All orders are accepted subject to our current term of sale & 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.

PLEKO extends technical services to include after-sales support to assist users in the proper handling of our products.