

CRESSEAL PS-PG is specifically designed to be used for moderate movement and control joints as a watertight seal. It is based on a liquid polysulphide polymer that cures to form a tough, flexible and non-staining rubber-like seal when mixed with the hardener. It has excellent adhesion to all common building substrates. The cured sealant is highly resistant to most environmental chemicals and resists deterioration due to prolonged UV exposure. **CRESSEAL PS-PG** is suitable for horizontal applications. The sealant has a $\pm 25\%$ movement accommodation factor (MAF).

APPLICATIONS

Sealing of:

- Water treatment structures
- Metal and concrete sea walls
- Parapet walls
- Airport runways and pavements with aprons



FEATURES

- Highly resilient
- Permanent water resistance
- Excellent fatigue resistant
- Non-toxic
- Non-staining

JOINT PREPARATION

Joint surface should be dry, clean and free of oil, loose particles and other pollutants that may affect adhesion. To expose a clean and sound substrate, thorough wire brushing, grinding, sandblasting or solvent cleaning may be needed. To expose a uniform joint depth, the compressible joint filler is cut back.

PRIMING

Primer should be applied to the clean, dry surface before fixing backer rod or bond-breaking tape. It is applied with a thin-coat brush and must be left to become tack free before the sealant application. If the sealant installation is not carried out within 3 hours of the application of the primer, the joint edges must be re-primed. Masking tape can be used to apply on both edges of the groove before the primer is applied.

BACKUP - MATERIAL

Backer rod shall be inserted into the joint to avoid a three-sided adhesion. The use of a backer rod ensures the proper depth of the joint and facilitates the formation of an hour-glass profile on the applied sealant at the same time. The backer rod will also provide resistance to the tooling pressure of the sealant and help achieve proper wetting of the substrate when the sealant is tooled.

TECHNICAL PROPERTIES

Description	Value	Standard
Color Part A Part B After mix	Off white Brown Grey	-
Specific gravity, g/ml Part A Part B	1.65 $\pm$ 0.05 1.60 $\pm$ 0.05	ASTM D 1475
Mix ratio, by weight	100:7	-
Adhesion to concrete, N	>26	BS 4254
Shrinkage	Negligible	ASTM C 531
Application life @mins	>120	BS 4254
Initial cure @hrs	24	-
Full cure @days	7	-
Application temperature @°C	+5 to +40	-
Service temperature @°C	-20 to +80	-
Shore 'A' Hardness	>20	ASTM D 2240
Elongation [%]	>500	ASTM D 412
Tensile Strength, N/mm ²	0.2	ASTM D 412

All values given are subject to 5-10% tolerance.

The size of the backer rod must be at least 20% greater than the joint to make sure that it remains in compressed position during the sealant application. Do not damage the backer rod during or after installation, because it may cause air bubbles to trap in the sealant and affect its performance.

MIXING

CRESSEAL PS is available in a ready-to-mix container and is packed in a single tin with all the components. The material blends very well with a gradual speed drill (300-400 rpm) equipped with a flat-bladed paddle for 2-3 minutes until uniform color and consistency are achieved.

COVERAGE

Length of joints in meters filled per 1 litre Of CRESSEAL PS-PG.

Depth (mm)	Width (mm)							
	5	10	15	20	25	30	40	50
5	40	20	13.3	10	8	6.66	5	
10		10	6.5	5				
15			4.4	3.3	2.6	2.2		
20				2.5	2.0	1.6		
25					1.6	1.3	1.0	0.8
30						1.1	0.83	0.66

Calculation based on theoretical coverage. Actual material consumption at site will vary depending on the wastage.

CLEANING

Take off all excess sealant with a scraper. Spilt off can be cleaned using Polysolvents. Clean all apparatus immediately after the tooling. Hardened materials can only be eliminated mechanically

Product Disclaimer:

Kanz chemical Ind. LLC products are guaranteed against defective materials and are sold subject to standard terms and condition of sale, copies of which are available on request which are reasonable. All recommendations regarding the use of product are made without guarantee since the conditions of use are beyond the company's direct control. It is the customer's responsibility to ensure each product is fit for the purpose for which they intend to use it. Furthermore the specifications and description herein cannot be used to void a contract.

*Refer material safety data sheet (MSDS) for further information.

PACKING

4 Ltr. kit pouring grade & 2.5 Ltr. kit. - gun grade. Available in white & grey color.

STORAGE AND SHELF LIFE

It must be stored in a cool, dry place and keep away from all heat sources and sunlight. The shelf life is 12 months if stored in an air-tight container.

HEALTH & SAFETY

Caution should be exercised with all chemical products. If handled without proper protection, it may cause skin burns. For full details, refer to the MSDS of the product. Protective apparel should be worn, such as gloves and goggles. Treat the skin or eyes with fresh water immediately for any splashes. Do not induce vomiting, but immediately call for medical assistance if any of the products are accidentally swallowed.