KREVO Seal PS-PG

Two-component pourable polysulphide joint sealant | Self-levelling | Horizontal joints

PRODUCT DESCRIPTION

KREVO Seal PS-PG is a two-component, cross-linking polysulphide-based elastomeric sealant developed for horizontal expansion and connection joints in civil engineering and building works. The mixed material is pourable and self-levelling, forming a permanently elastic joint seal suitable for hot and tropical site conditions when correctly installed.

ADVANTAGES

- Pourable, self-levelling consistency for horizontal expansion joints.
- Permanent elasticity with nominal movement accommodation of ±25%.
- Good adhesion to properly prepared concrete and suitable construction substrates.
- Weather resistance and resistance to selected oils, fuels and diluted chemicals.
- Two-component system with straightforward mixing and economical installation.

TYPICAL USES

Expansion joints in industrial and warehouse floors • Concrete pavement and precast joints • Bridge-deck joints • Reservoirs • Car parks, roads and airport pavements • Vacuum-dewatered floor joints • Horizontal trafficable joints and grooves.

PRODUCT INFORMATION

PARAMETER	SPECIFICATION
Chemical base	Two-component, cross-linking polysulphide
Consistency / colour	Self-levelling, pourable; grey paste
Mixed density	1.60 kg/L
Solids content	100% (reference criterion)
Packaging	4 L set, Part A + Part B
Application orientation	Horizontal movement and connection joints
Storage conditions	Original sealed pack; dry, shaded, +5 °C to +30 °C
Shelf life	12 months under the specified storage conditions

TYPICAL TECHNICAL PROPERTIES

PROPERTY / TEST METHOD	TYPICAL VALUE
Shore A hardness | ASTM C661	Approximately 20
Movement capability | ASTM C719	±25%
Service temperature	-20 °C to +80 °C
VOC | US EPA Method 24	0 g/L (reference specification)
Product classification target	ASTM C920 Type M, Grade P, Class 25
Other standards target	BS 4254; BS / EN ISO 11600

Application & System Data

KREVO Seal PS-PG | Mixing, joint geometry, environmental conditions and installation controls

APPLICATION PROPERTIES

PARAMETER	CONDITION	TYPICAL VALUE	TEST / NOTE
Mix ratio (A:B)	By weight	94:6	Two components
Ambient / substrate	Application	+5 to +50 °C	Dry, sound joint
Pot life	At +25 °C	~2 hours	Use mixed material
Curing time	Normal conditions	~1 week	Before immersion
Primer flash-off	Where primer used	30 min to 3 h	Subject to primer

Working and curing times are affected by temperature, relative humidity and site conditions. Mix and place only quantities that can be used within the specified pot life. Horizontal joints must be correctly sized and prepared before pouring.

JOINT DESIGN GUIDANCE

DESIGN PARAMETER	SPECIFICATION / GUIDANCE
Joint width	Minimum 6 mm; maximum 50 mm
Movement joints	Approximate width : depth = 2 : 1
Butt joints	Approximate width : depth = 1 : 1
Minimum depths	6 mm non-porous; 8 mm porous faces
Traffic / hydrostatic joints	Minimum 20 mm recommended depth

SUBSTRATE PREPARATION

Joint surfaces must be sound, clean, dry and free of dust, laitance, oil, grease, loose particles and other adhesion-reducing material. Cut out and reinstate weak joint arrises using a compatible repair mortar. Establish the design depth with a tightly fitted closed-cell polyethylene backing rod.

BACKING MATERIAL & CONSUMPTION

Use a compatible backing rod or bond-breaker tape to prevent three-sided adhesion. The expected sealant quantity depends on actual joint dimensions: nominal litres per metre = joint width (mm) × depth (mm) / 1000. Allow for tolerances, losses and finishing.

INSTALLATION STAGE	REQUIRED CONTROL
Joint preparation	Sound, clean and dry; repair weak edges
Backing material	Closed-cell PE rod / bond-breaker tape
Priming	KREVO Prime EP on opposing faces only
Application	Pour mixed sealant into horizontal joint
Protection	Keep undisturbed until sufficiently cured

Joint widths and depths must be selected for anticipated movement and loading. For dynamic joints, a width-to-depth ratio of approximately 2:1 is commonly used; for butt joints, approximately 1:1. Project-specific joint design takes precedence.

PRIMING & CONDITIONS

Where a compatible primer is specified, apply it to the two opposing joint sidewalls only and observe the approved flash-off period (typically 30 minutes to 3 hours). Joint edges must remain dry and clean. Seek compatible primer guidance for wet-service applications.

Installation & Product Support

KREVO Seal PS-PG | Mixing, pouring, curing, limitations, safety and global contacts

MIXING PROCEDURE

- Confirm that the joint is horizontal, the base is dry, edges are sound, and backing rod / bond breaker are correctly installed.
- Add the complete hardener (Part B) to the base (Part A) in the prescribed 94:6 weight ratio; use matched, complete units.
- Mix with a suitable paddle in a low-speed electric drill (not over 500 rpm) for approximately 5 minutes.
- Continue until a homogeneous, smooth consistency is obtained; avoid entraining air and do not dilute the mixture.

APPLICATION & CURING

- Mask joint shoulders if required. Pour the freshly mixed sealant directly and continuously into the prepared joint.
- Maintain the required depth and avoid air pockets; remove masking tape promptly after placement.
- Protect from traffic, contamination and water exposure until sufficiently cured; allow approximately one week for full cure.
- Clean tools immediately with a compatible cleaner. Once cured, sealant can only be removed mechanically.

LIMITATIONS & SERVICE NOTES

- Pourable grade is intended for horizontal joints only; do not use on vertical or overhead joints.
- Do not use for direct contact with drinking water or food. Full cure is required before permanent water immersion.
- Avoid chlorinated solvents, aromatic solvents and oxidising acids; chemical compatibility should be confirmed for each exposure.
- For intermittent exposure, the system may resist diluted acids / alkalis, kerosene, aviation fuel, lubricating oils and white spirit.
- Check compatibility before overpainting; do not exceed design movement or specified application conditions.

HEALTH, SAFETY & ENVIRONMENT

For professional use by trained applicators. Review the current Safety Data Sheets for both components. Use suitable gloves, eye protection and ventilation. Prevent uncured sealant, primers and cleaning fluids entering drains. Store, transport and dispose of the material according to local regulations.

QUALITY & PRODUCT INFORMATION

Actual joint performance depends on formulation, mixing accuracy, joint geometry, adhesion, substrate preparation, environmental exposure and curing. Verify current KREVO-specific performance and compliance evidence before project certification, specialised chemical-resistance claims or service guarantees.

KREVO | GLOBAL CONTACTS

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