

REC FLEX 370

SINGLE-COMPONENT, SELF-LEVELING POLYURETHANE SEALANT

DESCRIPTION

REC FLEX 370 is a single-component, low-modulus, moisture-cure, self-leveling, polyurethane joint sealant. **REC FLEX 370** is formulated to be extremely durable in dynamic joints. It provides superior wear resistance to rubber tires and pedestrians in high traffic areas.

PRIMARY APPLICATIONS

- Concrete control & expansion joints.
- Sidewalks.
- Truck terminals.
- Plazas.
- Swimming pool decks.
- Interior and exterior applications.

KEY FEATURES

- Skins rapidly and is tack-free in less than 5 hours at 24°C.
- Remains adhesively and cohesively bonded during temperature cyclic movement.
- Extraordinary movement capability.
- Ease of application; dispense and walk away, up to a 6% slope.

TECHNICAL INFORMATION TABLE

PROPERTY	RESULTS
Rheology (ASTM C 639)	Semi-self-leveling, holds up to 6% slope.
Shore A Hardness (ASTM C 661)	40-45
Skin Time	1.5-2 hr.
Tack Free Time (ASTM C 679)	<5 hr.
Tensile Strength (ASTM D 412)	250 psi (1.7 MPa)
Elongation (ASTM D 412)	600%
Tear Strength (ASTM D 412)	35 Psi (61.3 MPa)
Adhesion to Concrete (ASTM C 794)	Dry ~ 54.3 N/cm
	Submersed ~ 49 N/cm
	Saturated (SSD) >26.3 N/cm
Stain & Color Change (ASTM C 510)	No stain/No visible color change
Effects of Accelerated Aging (ASTM C 793)	Pass
Color	Grey

PACKAGING

REC FLEX 370 is available in different sizes and can be supplied on request.

APPLICABLE STANDARDS

REC FLEX 370 complies with ASTM C 920 Type S, Grade P, Class 50, Use T, M, A, O and I (Class 2).

STORAGE

Up to 1 years when stored in accordance with the instructions.

DIRECTIONS FOR USE

JOINT DIMENSIONS: Joint width should be four times the expected joint movement, but not less than 1/4" (6 mm). Width to depth ratios should be equal for joints that are 1/4" (6 mm) to 1/2" (13 mm) in width. If joint width is 1/2" (13 mm) to 1" (25 mm), the depth of **REC FLEX 370** should be 1/2 the width, with 1/2" (13 mm) being the maximum allowable depth of **REC FLEX 370**. Use backer rod or bond breaker tape to limit the depth of application and to prevent three-sided adhesion. Application of **REC FLEX 370** deeper than what is recommended can cause bubbling or incomplete curing of the material.

SURFACE PREPARATION: **REC FLEX 370** can be installed in new concrete 24 hours after forms are stripped. The concrete can be damp during application, but do not apply sealant where there is standing water in or nearby the joints. Excess standing water will cause bubbling of the sealant. The joints must be clean and sound. All curing & sealing compounds, oil, dirt, debris, paint, form release agents and any other foreign material must be removed. The final step in cleaning should be the complete removal of all residue by solvent wiping the joint.

PRIMING: **RECKON PRIMER** is required to prime the joint facing when the product will be used on non-porous surfaces (metal, granite, etc.) or when the sealant will be under water. See RECKON Primer technical data sheet for use instructions.

MIXING: **REC FLEX 370** is a single-component sealant and requires no pre-blending. It should be used directly from the cartridge.

PLACEMENT: Ensure that all the necessary preparation work is completed. Place backer rod or bond breaker tape into the joints and make sure they are secured in place. Using standard caulking guns, dispense the sealant directly from the cartridge into the joint. Once the joint is full, leave it alone and allow it to self-level to a nice and smooth finish. **REC FLEX 370** will hold a slope up to 6%.

CURING: **REC FLEX 370** requires no special curing. The moisture in the air and substrate will cure the sealant. A skin forms on the surface in about 1.5 to 2 hours at 22°C and 50% relative humidity. It will be tack-free in 5 hours. **REC FLEX 370** cures at rate of about 1/16" (1.6 mm) per day. The cure time will increase or decrease as temperatures and humidity levels fluctuate.

PRECAUTIONS

- Use only at temperatures above 4°C.
- Contact surfaces must be clean.
- Do not use underneath a polyurethane deck coating unless the sealant has fully cured.
- Always wear protective gears while working.

QUALITY STATEMENT

All our products are manufactured to comply with our internal quality management system to ensure consistency and quality.

DISCLAIMER

While the company guarantees its products against defective materials, the use and application of these products are made without guarantee since the conditions of their application are beyond its control. It is recommended to verify with the company that the product is suitable for the intended use. This Data Sheet version is the latest one. The company may modify it without any prior notice. Technical characteristics are listed for guidance only. For more information, please contact the company's head office located in Lahore.

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RECKON CHEMICALS PRIVATE LIMITED
21 CCA, BLOCK B, KHAYABAN-E-AMIN, LAHORE
Tell: +92-42-35452620, +92-42-35230419
Web: www.reckonchemicals.com
Email: Info@reckonchemicals.com

