

CEMTEC 920 S

POLYURETHANE JOINT SEALANT



DESCRIPTION

CEMTEC 920 S is a single component traffic grade resilient polyurethane joint sealant that is specially formulated in the pouring grade to be easily applied in horizontal joints in concrete floors.

PRODUCT DESCRIPTION

Composition: Polyurethane based joint sealant.

FEATURES & ADVANTAGES

- Easy to use, being one component system.
- Excellent adhesion to different construction materials.
- Excellent resistance to different chemicals and microorganisms.
- Excellent weathering and aging properties.
- Excellent resistance to traffic
- Remains elastic even in cold weather.

BASIC USES

For sealing expansion and construction joints in floors and slabs subjected to pedestrian and vehicular traffic.

STANDARDS

- The product complies to ASTM C 920 type S Grade P Class 25 for uses T, NT, M, and O.
- U.S Federal specification TT-S-00230 Type II Class A. BS 4254-1983 and BS 5889 1989 Type A.

TECHNICAL DATA

Hardness (Shore A) : 48 ASTM D 2240,
DIN 53505 ISO

Service Temperature : -40°C up to 90°C,
Shock 120°C

Application Temperature : 5°C up to 40°C

Tear Resistance : 38.2 pli

Tack Free Time : 4hrs @25°C &
55% RH

Cure Rate : 2-3 mm/day

Elongation at break : >210%, DIN

52455, ASTM D 412

Movement

Accommodation Factor

: 25%

Tensile Strength

: DIN 52455
ASTM D412

@ 100% elongation	0.6 N/mm ²
@ break	1.5 N/mm ²

Toxicity

: No restriction as Cured

Shelf Life

: 12 Months

INSTALLATION

Joint edge repairs: All joints should be solid and sound and free from any physical damages. Use an epoxy mortar like **CEMTEC EPOMORT 100** to repair any damages or defects in the joint edges.

Surface Preparation: All joints must be absolutely clean. For concrete, sandblasting is recommended. All curing compounds, old caulks, grease, waterproofing compounds etc., must be removed. For nonporous surfaces such as porcelain, metal etc., cleaning with M.E.K or Toluene is recommended. Polyethylene rod or Polyurethane foam is recommended as a joint filler and back-up material. Fillers treated with bituminous products, grease or oil should not be used. Where present they must be removed or separated by vinyl tape or polyethylene film. Porous surfaces and joints to be subjected with lots of water in the future shall be primed with **CEMTEC PU PRIMER**.

Application: Protect the external edges of your joints with masking tape prior the application of the sealant. **CEMTEC 920 S** is a single component pouring applied material that is supplied in 4.5 liter cans and no mixing is required. Open the cans and use a funnel or any appropriate method to pour the material inside the joints and assist the levelling with a scrapper or a putty knife

AVAILABILITY

CEMTEC 920 S is supplied through building material dealers. Major contractors are supplied directly from Construction Material Chemical Industries.

COVERAGE	Contact CMCI tech dept
PACKAGING	Available in 4.5 liters cans.
COLOR	Dark Grey, white, Beige and other Colors available on request.

MAINTENANCE

If **CEMTEC 920 S** is damaged, and the joint has not been contaminated, it can be repaired by cutting out that part and resealing it with **CEMTEC 920 S**

New tane for 4.5 liters packing or new tane for 1.0 liter coverage to be miscreed.

TSS/PDS/1010/A

Quality Statement

CMCI manufactures its products at their manufacturing facility in Saudi Arabia as per the Quality Procedures certified to conform with quality Management System described in ISO 9000 series

CMCI provides a comprehensive technical support system for its full range of high erformance construction products CMCI also offers full technical field support to consultants, Architects, contractors, applicators and End Users.

"High Quality Construction Chemicals"

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The Technical Specification information and recommendations given are based on the current technical knowledge and the user or his representative is recommended to check the suitability of the product CMCI reserves the right to amend the technical characteristic of the product as part of ongoing research and development. As the work execution is beyond the direct and continuous control of CMCI no guaranty and or responsibility is assumed on the performance of work completion executed with use of our products.