

CEMTEC 25N

POLYURETHANE JOINT SEALANT



CEMTEC 25N is a low modulus one component polyurethane sealant which cures by moisture to an elastic and tough sealant. It is highly resilient and has excellent recovery characteristics. It can function under wide range of temperatures.

PRODUCT DESCRIPTION

Composition: Polyurethane based joint sealant.

BASIC USES

For sealing movement joints in precast concrete construction, balcony parapets, bridge culverts, retaining walls etc., For caulking of joints around windows, doors, skirting, wall/floor joints and shutter housings.

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.
- Can be over painted after curing.
- Remains elastic even in cold weather

STANDARDS

The product complies with ASTM C 920. 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) : 25 ±5 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

Sag Resistance : Excellent (DIN EN 27390)

Tack Free Time : 1-2 hrs @25°C & 55% RH

Cure Rate : Approx. 2-3 mm/day

Elongation at break : >500%, DIN 52455, ASTM D 412

Movement

Accommodation

Factor : 25%

Tensile Strength : DIN 52455 ASTM D412

@ 100% elongation 0.5 N/mm²

@ break 1.3 N/mm²

Toxicity : No restriction as cured

Shelf Life : 12 Months

INSTALLATION

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 glass, metal etc., cleaning with M.E.K or Toluene is recommended. Polyurethane 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 shall be primed with **CEMTEC PU PRIMER**.

Application: Apply by caulking gun, hand or pressure type Bulk sealant can be applied by pumping equipment. Press firmly into joint to assure good contact and finish with a trowel or putty knife.

AVAILABILITY:

CEMTEC 25N is supplied through building material dealers. Major contractors are supplied directly from Construction Material Chemical Industries.

MAINTENANCE:

If **CEMTEC 25N** is damaged, and the joint has not been contaminated, it can be repaired by cutting out that part and resealing it with **CEMTEC 25N**.

COVERAGE	Refer to table below
PACKAGING	600ml aluminum sausages.
COLORS	Dark Grey, White, Beige and other Colors available on request.

WIDTH OF JOINT

DEPTH OF JOINT	mm	6	9	12	15	18	22	25
	6	17	11	8	7	6	5	4
9	11	7	6	4.4	3.7	3	2.7	
12	8	6	4.2	3.3	2.8	2.3	2	
15	7	4.4	3.3	2.7	2.2	1.8	.....
18	6	3.7	2.8	2.2	1.9	...	....
22	5	3	2.3	1.8	...	...	...
25	4	2.7	2	...	...	...	...

Liner meters per 600 ml sausage

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 performance 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.