

# CEMTEC 30A

## UNIVERSAL 1-COMPONENT POLYURETHANE JOINT SEALANT

**CEMTEC 30A** is a general purpose 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 base 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, skirtings, 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 micro organisms.
- Excellent weathering and aging properties.
- Can be over painted after curing.
- Remains elastic even in cold weather.

**Colors:** Dark Grey, White, Beige and other colors available on request.

**Packing:** 600 ml aluminium sausages

**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:

**Density:** 1.2 gcm<sup>3</sup>, at 20°C, ISO-2811, DIN 53217, ASTM 1475.

**Hardness:** 25 Shore A +/-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

**Track Free Time:** 1-2hr @ 77°F & 55% RH

**Cure Rate:** approx 2-3 mm/day

**Elongation at break:**900%, DIN 52455, ASTM D412

### **Tensile Strength:**

at 50% elongation; 2.5kp/cm<sup>2</sup>

at 100% elongation; 3-3.5 kp/cm<sup>2</sup>

DIN 52455, ASTM D412.

**Resilience:**90%, DIN 52458

**Toxicity:** No restriction as cured.

**Shelf Life:** 15 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 30A** is supplied through building material dealers. Major contractors are supplied directly from Construction Material Chemical Industries.

### MAINTENANCE:

If CEMTEC 30A is damaged, and the joint has not been contaminated, it can be repaired by cutting out that part and resealing it with **CEMTEC 30A**.

*“High Quality Construction Chemicals”*

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Depth of Joint MM	Width of Joint						
	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	...	...	...	...
<b>Liner meters per pack</b>							

**QUALITY STATEMENT**

CMCI manufacture 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

The Technical Specification information and recommendation 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.