

CEMTEC 30A

UNIVERSAL 1-COMPONENT POLYURETHANE JOINT SEALANT



DESCRIPTION:

CEMTEC 30A is a general purpose one component, non-sag, gun grade polyurethane joint 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, skirtings, wall/floor joints and shutter housings.

ADVANTAGES:

- Easy to use, being one component sealant.
- Excellent adhesion to different construction materials.
- Excellent resistance to different chemicals and micro organisms.
- Excellent weathering and aging properties.
- UV resistant and color stable
- Can be applied internally and externally

- Can be over painted after curing.
- Remains elastic even in cold weather.
- VOC compliant - Architectural sealant
- Accommodates 25% joint movement

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.

INSTALLATION :

Joint Design : Suitable for all properly designed joints following accepted engineering practice. Joint width must be a minimum of 4 times the anticipated movement.

STANDARDS/COMPLIANCE:

- The product complies with ASTM C 920 (Type S, Grade NS, Use NT, Use-A, M, O), Class 25.
- U.S Federal specification TT-S-00230 Type II Class A, Non Sag
- BS 6920

TECHNICAL DATA

Properties	Typical Value	Test Method
Sag Resistance	Non sag	ASTM C 639-01
Skin Time*	2-4 hours	-
Curing Time*	Approx. 2-3mm/day	-
Hardness (Shore A)	30-40	ASTM D2240
Tensile Strength	1.4 N/mm ²	ASTM D412
Elongation	>350%	ASTM D412-06a
Adhesion in Peel (mortar)	27 N	ASTM C794-01
Effect of Accelerated weathering	No Surface Cracking	ASTM C793-05
Stain and color change	No stain on mortar	ASTM C510
Movement Accommodation Factor (Total Movement Capacity)	25%	ASTM C719-14
Volatile Organic Compound (VOC)	0.339 grams/liter	GGFID
Service Temperature	-40°C up to 90°C	-
Application Temperature	5°C up to 40°C	-
Shelf Life	12 months	-

*Skinning time and curing rates are dependent on temperature, Relative Humidity and porosity of the substrate.

MAINTENANCE	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 .
PACKAGING	600 ml aluminium sausages.
COLORS	Dark Grey, Concrete Grey, White, Beige, Black, RAL 1015 and other Colors available on request

Depth of Joint MM	Width 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 600ml sausage

Surface Preparation

All joints must be absolutely clean. All curing compounds, old caulks, grease, waterproofing compounds etc., must be removed by using suitable mechanical abrading equipment. 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. High porous surfaces and areas subject to continuous exposure to water shall be primed with CEMTEC PU PRIMER or CEMTEC ELASTOPOXY PRIMER

PRECAUTION & LIMITATIONS:

- Do not apply to joints subjected to continuous water immersion.
- It is suggested to do pre-testing for adhesion and substrate compatibility to determine the correct surface preparation method and to eliminate site problems.
- As commercially available paints are of varying quality, it is suggested to do a compatibility test prior to application.
- Store CEMTEC 30A out of direct sunlight. Store in indoor at 25°C.
- Avoid contact with skin and eyes.

TD/0820/C

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.

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.