

CEMTEC 200

JET FUEL RESISTANT P.U. SEALANT

CEMTEC 200 is a two-part, self-leveling jetfuel resistant polyurethane sealant which cures at ambient temperature to form a soft, flexible tear-resistant rubber. It is highly resilient and has excellent recovery characteristics after extended periods of compression or elongation. It is bitumen extended.

DESCRIPTION

Composition : Low cost, bitumen modified Polyurethane based joint sealant.

Basic Uses : For sealing joints in airfield runways, parking aprons and other areas where joints may be subject to fuel spillage.

Limitations : Containers of Component B that have been opened must be used up within one or two days since it is a moisture-reactive material. It sets up when exposed to air.

Shelf Life : 1 year at 77°F and 50% R.H.

Colors : Black Only

Sizes : Available in 1 gallons, 10 & 20 ltr pails.

Standards : Federal Specification SS-S-200D and SSOS 195.

Type H, suitable for hand mixing and application. 1 hour potlife.

Type M, designed for application with an automatic proportioning and mixing machine. Potlife 5 minutes.

Packing : 1 gallon and 10 liters kits

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.

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 non-porous surfaces such as glass, 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.

All concrete surfaces must be primed with Cemtec PU Primer.

AVAILABILITY

Major contractors are supplied directly from CONSTRUCTION MATERIAL CHEMICAL INDUSTRIES.

MAINTENANCE

If CEMTEC 200 is damaged, and the joint has not been contaminated, it can be repaired by cutting out that part and resealing it with **CEMTEC 200** Type H.

TECHNICAL SERVICES:

Technical assistance can be obtained by contacting Construction Material Chemical Industries Technical Dept.

WIDTH OF JOINT

	mm	6	9	12	15	18	2	25
DEPTH OF JOINT	6	28	19	14	11	9	8	7
	9	.....	12	9	7	6	5	4
	12	.....	.....	7	6	5	4	3
	15	.....	.....	.....	4.4	3.7	3	2.7
	18	.....	.....	.....	.....	3.1	2.5	2.2
	22	.....	.....	.....	.....	.....	2.1	1.8
	25	.....	.....	.....	.....	.....	.....	1.6

Linear meters per liter

“High Quality Construction Chemicals”

CONSTRUCTION MATERIAL CHEMICAL INDUSTRIES
P.O. Box 7137, Dammam 31462, Saudi Arabia, Tel: 00966-13-8471450; Fax: 00966-13-8471575
Email: tech@cmci-sa.com, Web: www.cmci-sa.com

TECHNICAL DATA

PROPERTY	TEST METHOD (or) STANDARD	RESULTS
CONSISTENCY	Fed. Spec. SS-S-200d	Self levelling/ Pouring
Hardness	ASTM D-2240	10 Shore "A"
Elongation	ASTM D-412	1000%
Bond to concrete, water immersed -20°F (-29°C)	Same as non immersed	Passed
Flame Resistance	Shall not support combustion, flow, harden, or loose adhesive strength	Passed
Resilience Unaged Percent	Minimum of 75 %	86 %
Initial Indentation	0.05-0.02 cm	0.17 cm
Aged Percent	Minimum of 75 %	88 %
Initial Indentation	0.05-0.02 cm	0.15 cm
Bond to concrete (non immersed) -20°F (-29°C)	No surface cracking separation or other opening in the sealant. No hardness loss or loss of rubber-like characteristics in the sealant.	Passes
Bond to Concrete (fuel immersed) -20°F (-29°C)	No surface cracking, separation, or other opening in the sealant. No hardness loss, or loss of rubber- like characteristics in the sealant	Passes
Change in weight by fuel immersion	Shall not exceed 5.0% of the initial weight.	2.5%
Change in volume on exposure to high temperature, 158°F (70°C), 168 hours	Shall not exceed 5.0% of the initial volume	1.5%
Viscosity A - Component	Brookfield Viscometer	80+/- 10 Poises
B - Component		50+/- 10 Poises

WIDTH OF JOINT

	1/4"	3/8"	1/2"	5/8"	3/4"	7/8"	1"	
DEPTH OF JOINT	1/4"	308	205	154	123	102	88	77
	3/8"	.....	136	102	82	68	58	51
	1/2"	.....	.....	77	61	51	44	38
	5/8"	.....	.....	.....	49	41	35	30
	3/4"	.....	.....	.....	.....	34	29	25
	7/8"	.....	.....	.....	.....	.....	25	22
	1"	.....	.....	.....	.....	.....	.....	19
	Linear Feet Per Gallon							

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.