

CEMTEC 227 CTP

COAL TAR PITCH MODIFIED POLYURETHANE JOINT SEALANT

CEMTEC 227 CTP is a two part, self-leveling or gun-grade, coal tar pitch modified polyurethane sealant which cures to a firm, flexible tear-resistant rubber. It is highly resilient and has excellent recovery characteristics, even after extended periods of compression or elongation.

PRODUCT DESCRIPTION

Composition: Coal tar pitch modified polyurethane based joint sealant.

Basic Uses: For sealing movement joints in building and civil engineering construction above or below ground. For subways, retaining walls, sea walls and sewage treatment plants.

Limitations: Containers of Component B that have been opened must be used immediately, as it is a moisture-sensitive material and sets up when exposed to air. All concrete surfaces must be completely free of foreign matter and primed with ELASTO-POXY PRIMER. Do not apply at temperatures below 50°F (10°C).

Colors: Black

Sizes: Available in 1.5 gallon and 4 liters kits.

Standard: Federal Specification TT-S-227e

TECHNICAL DATA

(See reverse side for technical data)

INSTALLATION

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

Surface Preparation: All joints must be absolutely clean. Sandblasting is recommended for concrete joints.

All curing compounds, old caulks, grease, waterproofing compounds, etc., must be removed. Polyethylene rod or polyurethane foam is recommended as a joint filler and backup material. Fillers treated with bituminous products, grease or oil, should not be used. Where present, they must be completely removed or separated by vinyl tape or polyethylene film. All joints must be primed with the appropriate ELASTO-POXY PRIMER.

Application: Mechanically mix the A & B Components together thoroughly using a slow speed drill and jiffy type mixing blade. The gun-

grade type sealant may be applied using a bulk caulking gun, hard-pressure-type. The self-leveling type may be poured directly from container. Tool the sealant firmly into the joint to assure good contact of the sealant into the sides of the joints.

MAINTENANCE

If **CEMTEC 227 CTP** is damaged, and the joint has not been contaminated, it can be repaired by cutting out that part and resealing it with **CEMTEC 227 CTP**.

TECHNICAL SERVICES

Technical assistance can be obtained by contacting:

CMCI Technical services department.

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"	.....	.....	.....	41	39	35	30
	3/4"	.....	.....	.....	.....	34	29	25
	7/8"	.....	.....	.....	.....	.....	25	22
	1"	.....	.....	.....	.....	.....	.....	19
	Linear Feet Per Gallon of CEMTEC 227 CTP							

WIDTH OF JOINT IN METRIC MEASUREMENT

		6.4	9.5	12.7	15.9	19	22.2	25.4
DEPTH OF JOINT IN MM	6.4	24.8	16.5	12.4	9.9	8.2	7.1	6.2
	9.5	.....	10.9	8.2	6.6	5.5	4.7	4.1
	12.7	.....	.....	6.2	4.9	4.1	3.5	3.0
	15.9	.....	.....	.....	3.9	3.3	2.8	2.4
	19	.....	.....	.....	.....	2.7	2.3	2.0
	22.2	.....	.....	.....	.....	2.0	1.8	.....
	25.4	.....	.....	.....	.....	.....	1.5	.....
	Linear meters per liter							

TECHNICAL DATA

PROPERTY	TEST METHOD	RESULTS
Consistency	Fed. Spec. TT-S-227e	
Type I	--	Self-leveling/Pourable
Type II	--	Non-Sag/Gungrade
Potlife at 77°F(25°C)	--	2 hrs
Tackfree Time at 77°F (25°C),50%R.H.	Fed. Spec. TT-S-227e	10 ± 2 hrs
Service Temperature Range	--	-40°F(-40°C) to 180°F(82.2°C)
Cure Time at 77°F (25°C), 50% R.H.	Observed	48 - 72 hrs
Hardness (Shore A)	ASTM D-2240	30 ± 5
% Elongation	ASTM D-412-98	400% ± 10%
Tensile Strength	ASTM D-412-98	200 psi ± 10%
Tear Strength	ASTM D-624	65 pli ± 10%
V.O.C.	ASTM D-2369-98	0.0 gr./liter

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.