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Quick-Joint 85

Polyurea Floor Joint Filler

Technical Data

DESCRIPTION

Quick-Joint 85 is a two component aromatic, 1:1 ratio, rapid setting, self leveling, 100% solid polyurea caulking compound for application.

FEATURES

- + 100% Solids Meets VOC Regulations
- + Down Time 30-90 minutes
- + Meets USDA Criteria
- + Remains Flexible, Even in Cold Temperatures
- + Meets California VOC and AQMD Requirements
- + Flexible
- + Odorless
- + Non-Toxic

COLOR

Concrete Gray

PACKAGING

10 gallon kit: One 5 gallon pail of Side-A and one 5 gallon pail of Side-B.

100 gallon kit: One 55 gallon drum (net 50 gallons) of Side-A and 55 gallon drum (net 50 gallons) of Side-B.

COVERAGE RATES LF/Gallon

		Width of Joint						
		1/4"	3/8"	1/2"	5/8"	3/4"	7/8"	1/2"
Depth of Joint	1/4"	308	205	154	123	102	88	77
	3/8"	205	136	102	82	68	58	51
	1/2"	154	102	77	61	51	44	38
	5/8"	123	82	61	49	41	35	30
	3/4"	102	68	51	41	34	29	25
	7/8"	88	58	44	36	29	25	22
	1"	77	51	38	30	25	22	19

Coverages and yields shown do not include allowances for loss or waste and variations in job conditions. Each user must establish his own factors for loss from experience. These figures are without the use of Backer Rod.

APPLICATION

For best results, Apply Quick-Joint 85 with a 1:1 ratio machine pump, with or without heater as required. This material can be applied at environmental temperatures from 20F (6.6C) to as high as 135F (57C).

The product needs to be conditioned at 75-80F prior to use.

FINISHING

After applying Quick-Joint 85 wait 60-90 minutes, depending on temperature and humidity before opening to traffic.

Slice off any overpour flush to grade.

Open to traffic once Quick-Joint 85 has set.

Surface can be utilized to light traffic within 90 minutes of application.

CLEAN UP

Cured product may be disposed of without restriction. Mix excess A and B material and allow to cure. Check local, state, and federal laws before disposing of material.

WARNING

This product contains Isocyanates and Curatives.

TECHNICAL DATA

Mix Ratio by Volume	1A:1B
Specific Gravity	
Part-A	1.12
Part-B	1.07
Viscosity at 80°F	
Part-A	850 ± 100 cps
Part-B	1000 ± 100 cps
Gel Time @ 80 °F, ASTM D-2471.....	35 seconds
Shore A hardness, ASTM D-2240	84 ± 3
Tensile Strength, ASTM D-412	1700 ± 200 psi
Elongation, ASTM D-412	300 ± 50%
Tear Strength, ASTM D-624	250 ± 30 pli
Volatile Organic Compounds, (Part-A & B combined)	
ASTM D-2369-81	<0.46 lbs/gal
	55 gm/liter

Based on Lab Drawn Films

SURFACE PREPARATION

Allow concrete to cure 28 days before installation.

Saw cut the joint to ACI Recommendations.

All joints must be clean and dry prior to installing Quick-Joint 85. If joint is damp, dry with heat torch.

If primer is required, use SSP-Prime.

Remove all dust from the concrete pores prior to installing Quick-Joint 85. If backer rod is used in control joints, the recommended depth is not greater than 25% of the total depth of the slab.

Construction joints are to be filled to full depth using no backer rod or sand.

To repair T-joints, the joint should be cut a minimum of 25% of the total depth of the slab. The side of the T-joint must be cut 1 1/2" from the joint and a minimum of 1/2" deep.

For random crack and spall repairs each side of the crack should be cut to create a minimum 1/2" deep vertical edge.

Ensure that all joint edges are at 90 degree angles to grade with no V-grooving of feather edges.

MIXING

Quick-Joint 85 may not be diluted under any circumstance.

Pre-mix Quick-Joint 85 Side-B material before combining with Side-A. Side-A material requires no mixing.

Add Side-A to Side-B while mixing, using a mechanical mixer at low speed. Mix until a homogeneous mixture and color is obtained (at least 5 minutes).

Use care to scrape the sides of the container to ensure that no unmixed material remains.

Use caution not to whip too much air into the material as this may result in pinhole blisters or shortened potlife.

STORAGE

Quick-Joint 85 should be stored at 60-90F (15-35C).

Quick-Joint 85 has a shelf life of one (1) year from date of manufacture in original, factory sealed containers.

LIMITATIONS

Do not use in cracks, construction joints or control joints if surface is subject to thermal cycling.

Discoloration will occur if exposed to UV, however no change will occur in the physical properties.

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