

CrownCaulk™ 82A

TECHNICAL DATA SHEET

Product Number: 7136

Revision Date: 11/27/18

100% Solids Self-Leveling Polyurea Caulking Compound

DESCRIPTION

CrownCaulk 82A is a two component aromatic, 1:1 ratio, rapid setting, self leveling, 100% solids polyurea caulking compound for interior and exterior horizontal application.

RECOMMENDED USE

CrownCaulk 82A is used on interior and exterior horizontal concrete surfaces, to repair random cracks, control joints, and other areas where down time is limited.

- Food Processing Plants
- Bridge Headers
- Freezers and Cold Storage
- Waste Water Treatment Plants
- Parking Garage Decks
- Industrial/Manufacturing Facilities
- Airports
- Spalls
- Truck Aprons
- Grade Matching
- Saw/Utility Cuts

Note: CrownCaulk 82A will discolor in exterior applications.

ADVANTAGES

- 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

		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"	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	18

Typical Data for CrownCaulk 82A (based on draw down film)

DESCRIPTION	PHYSICAL PROPERTIES
Mix Ratio by Volume	1A : 1B
Specific Gravity	
Part-A	1.12
Part-B	1.07
Viscosity at 75°F (24°C)	
Side-A	850 ± 100 cps
Side-B	1000 ± 100 cps
Gel Time @ 80°F, ASTM D2471	35 seconds
Shore A Hardness, ASTM D2240	82 ± 3A
Tensile Strength, ASTM D412	2000 ± 200 psi
Elongation, ASTM D412	250 ± 30%
Tear Strength, ASTM D624	250 ± 30 pli
Volatile Organic Compounds	
Part-A & Part-B Combined	<0.46 lbs/gal
ASTM D2369-81	55 gm/liter

COLORS

Concrete Grey

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.

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 Crown-Caulk 82A. If joint is damp, dry with heat torch.

If primer is required, use an appropriate Crown Polymers product. Remove all dust from the concrete pores prior to installing CrownCaulk 82A.

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 silica 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 12" from the joint and a minimum of 2" deep.

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

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

MIXING

CrownCaulk 82A may not be diluted under any circumstance.

Pre-mix CrownCaulk 82A 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.

APPLICATION

For best results, Apply CrownCaulk 82A with a 1:1 ratio machine pump, with or without heater as required.

This material can be applied at environmental temperatures from 20°F (-6.6°C) to as high as 135°F (57°C).

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

FINISHING

After applying CrownCaulk 82A wait 60-90 minutes, depending on temperature and humidity before opening to traffic.

Slice off any overpour flush to grade.

Open to traffic once CrownCaulk 82A 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.

STORAGE

CrownCaulk 82A should be stored at 60-90°F (15-35°C). CrownCaulk 82A 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.

WARNING

This product contains Isocyanates and Curatives.

FOR INDUSTRIAL USE ONLY

KEEP OUT OF REACH OF CHILDREN KEEP CONTAINERS TIGHTLY CLOSED

DISCLAIMER

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