

## PHYSICAL PROPERTIES

VOC	.....	<5 g/L
SOLIDS CONTENT	.....	95%
VOLUMETRIC MIX RATIO	.....	1A:1B
COVERAGE RATE	.....	

	1/4"	3/8"	1/2"	5/8"	3/4"	7/8"	1"
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

Coverage Rate: Linear Feet per Gallon

SPECIFIC GRAVITY	.....	A: 1.12 B: 1.07
VISCOSITY @ 75°F	.....	A: 1100 cps B: 1200 cps
GEL TIME @ 75°F	.....	35 second
DRY TIME @ 75°F	.....	15 minutes
FULL CURE	.....	7 Days
PACKAGING	.....	600 ml Cartridge 10 Gal Kit

## MECHANICAL PROPERTIES

TENSILE STRENGTH ASTM D412	.....	1,500 p.s.i
ELONGATION ASTM D638	.....	60%
TEAR STRENGTH ASTM D624	.....	280 p.s.i
SHORE A HARDNESS ASTM D2240	.....	80

## CHEMICAL RESISTANCE

Refer to CrownTech Chemical Resistance Guideline Technical Bulletin No. 9

## PRODUCT DESCRIPTION

7136 CrownCaulk Polyurea Rapid Setting, Self-Leveling, high-solids Control Joint & Crack Caulk. It features a combination of excellent adhesion and elongation. It is used on control joints and cracks subjected to heavy foot traffic, forklift traffic, and chemical attack, specifically food acids. It is VOC Compliant in all states and provinces in North America.

## TYPICAL USES

- Aircraft Hangars & Maintenance Floors
- Commercial Bakeries and Kitchens
- Laboratories and Research Floors
- School & Universities
- Automotive Show Room and Repair Areas
- Hospital and Health Care Facility Floors
- Manufacturing and Warehouse Floors
- Pharmaceutical Floors

## BENEFITS

- Complies with USDA, FDA, FSMA. See Crown Polymers Technical Bulletin: 3 Food and Beverage Compliance.
- LEED requirements. See Crown Polymers Technical Bulletin: 5 LEED information
- Cures to an inert finish. See Crown Polymers Technical Bulletin: 2 VOC Compliance

## COLORS



Concrete Grey

\* Custom Colors available with MOQ

## LIMITATIONS

- Higher temp/humidity will result in shortened working times and faster drying time.
- Use 8303 CrownShield™ Moisture Barrier when MVT exceeds 3 lbs. or 80% RH
- Be sure to bleed material until even mixture is achieved
- Do not thin

## SHELF LIFE

1 Year from Date of Manufacture provided unopened

## STORAGE

Store in a dry environment at room temperature and out of direct sunlight.

## APPLICATION EQUIPMENT

Personal Protective Equipment  
600 ml Cartridge Gun  
1:1 ratio pump. no heater is required.  
Disposable static mixing

## SURFACE DIAGNOSTICS

Concrete must be structurally sound and free of all contaminants and bond breakers. Test concrete compressive strength using a Schmidt or Rebound Hammer to ensure substrate has compressive strength of 3500 psi or higher.

Perform a pH test using concrete pH test strips or meter to ensure substrate pH is between 9-12.

Perform Moisture Test using either Calcium Chloride per ASTM F1869 or In-Situ Relative Humidity Probe per ASTM F2170 to ensure substrate has Moisture Vapor Emission Rate of 3 psi or less and Relative Humidity of 80% or less. See CrownTech Bulletin 6: Moisture Mitigation Negative Side Moisture Barrier

## 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 7136. If joint is damp, dry with heat torch. If primer is required, use CrownShield™ 8303. Remove all dust from the concrete pores prior to installing 7136. 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" (20.4cm) from the joint and a minimum of 2" (5.08 cm) deep. For random crack and spall repairs, each side of the crack should be cut to create a minimum 2" (5.08 cm) deep vertical edge. Ensure that all joint edges are at 90° angles to grade with no V-grooving or feather edges.

## MIXING INSTRUCTIONS

Side-A material requires no mixing. Pre-mix Side-B material before application using a mechanical mixer at a low speed.

Mix until a homogeneous mixture and color is attained. Do not mix in an up and down motion. Use only a proportioning dispensing system which transfers, meters and mixes the Side-A with Side-B components at the desired rate and at the required proportion of 1:1 by volume.

## TEMPERATURE EVALUATION

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 (25-27°C) prior to use.

**ALL SOURCES OF IGNITION SHOULD BE TURNED OFF AND ENVIRONMENT SHOULD HAVE PROPER AND ADEQUATE VENTILATION DURING APPLICATION AND CURING PROCESS**

**MIXING AREA SHOULD BE PLACED ON OR IN CLOSE PROXIMITY TO PROJECT. AREA SHOULD BE SECURELY COVERED WITH PLASTIC, CARDBOARD OR TARP. STAGE MATERIALS, TOOLS AND CLEANING SUPPLIES IN MIXING AREA PRIOR TO APPLICATION PROCESS.**

## COVERAGE RATE

24 Lf / Cartridge @ 1/4" x 1/4"

**REFER TO COVERAGE CHART ON FRONT FOR LINEAR FOOT PER GAL WHEN USING 2-COMPONENT JOINT FILLER PUMP .**

## WORKING TIME

2-3 Minutes @ 75°F

**WARMER AMBIENT, PRODUCT AND SURFACE TEMPERATURES WILL SHORTEN POTLIFE AND WORKING TIME.**

## APPLICATION STEPS



Shake cartridge vigorously for 1 minute and bleed material into disposable cup until even mixture is achieved through static mixing tube and slightly overfill joint. For best results, machine dispense using a 1:1 ratio pump, with or without heater as required. Use a disposable static mixing tube with restrictor before dispensing. Material left in static mixing tube will thicken in approximately 30-60 seconds and mixing tube needs to be discarded at that point.



Allow coating to dry roughly 15-30 mins before shaving with razor floor scraper

## CLEAN-UP

Clean-up mixing station, tools, and equipment as required. Use acetone, a VOC exempt solvent, for cleaning up. Observe all legal, and health, and safety precautions when handling or storing solvents and materials, particularly in confined spaces. Make sure the working areas are well ventilated at all times during placement and curing time.

## DISPOSAL

Dispose of empty packaging and other waste in accordance with federal, state, provinces and local regulations.

## MAINTENANCE

Inspect the installed floor by spot cleaning and spot repairing the damaged or cracked areas. To prolong life of the flooring system, a daily maintenance program is highly recommended to ensure the floor is safe for its intended purposes. See Crown Polymers Technical Bulletin: 8 Care and Maintenance.

## TECHNICAL SUPPORT

For questions, contact a Crown Polymers Representative. Additional Support Documents are available from Crown Polymers, including brochures, application guidelines, videos and more. Visit [Crownpolymers.com](http://Crownpolymers.com) or contact Crown for additional resources

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**REFER TO SAFETY DATA SHEETS (SDS)  
FOR SAFETY PRECAUTIONS.**

**SAFETY PRECAUTIONS MUST BE FOLLOWED  
DURING STORAGE, HANDLING AND USE.**

**PERSONAL PROTECTIVE EQUIPMENT  
(PPE)**

**SHALL BE WORN AT ALL TIMES INCLUDING  
BUT NOT LIMITED TO LONG SLEEVE SHIRTS OR  
DISPOSABLE ARM SLEEVES, SAFETY GLASSES,  
DISPOSABLE NITRILE GLOVES, AND PROPERLY  
FITTED NIOSH RESPIRATORS**