

## PHYSICAL PROPERTIES

|                             |       |       |
|-----------------------------|-------|-------|
| <b>SOLIDS CONTENT</b>       | ..... | 100%  |
| <b>VOLUMETRIC MIX RATIO</b> | ..... | 7A:1B |
| <b>COVERAGE RATE</b>        | ..... |       |

|      | 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

|                                     |       |                         |
|-------------------------------------|-------|-------------------------|
| <b>APPLICATION TEMP</b>             | ..... | 40° - 90°F              |
| <b>POTLIFE</b><br>1 Gal mass @ 75°F | ..... | 10 Min                  |
| <b>DRY TIME</b><br>@ 75°F           | ..... | 1 Hour                  |
| <b>FULL CURE</b>                    | ..... | 7 Days                  |
| <b>PACKAGING</b>                    | ..... | 2 Gal Kit<br>10 Gal Kit |

## MECHANICAL PROPERTIES

|                                      |       |             |
|--------------------------------------|-------|-------------|
| <b>TENSILE STRENGTH</b><br>ASTM D638 | ..... | 2,200 p.s.i |
| <b>ELONGATION</b><br>ASTM D638       | ..... | 650%        |
| <b>TEAR STRENGTH</b><br>ASTM D624    | ..... | 475 p.s.i   |

## CHEMICAL RESISTANCE

Refer to CrownTech Chemical Resistance Guideline Technical Bulletin No. 9

## PRODUCT DESCRIPTION

7126 CrownFlex HA is a two-component, rapid setting, self-leveling, 100% solids, aliphatic polyurea joint sealant, and crack filler. It features a combination of excellent adhesion and elongation. 7126 CrownFlex HA is designed for exterior and interior control joints and crack caulk. 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

## LIMITATIONS

- Higher temp/humidity will result in shortened working times and faster drying time.
- Color may vary due to batch-to-batch variation, always "box" different batches to avoid it.
- Use 8303 CrownShield™ Moisture Barrier when MVT exceeds 3 lbs. or 80% RH
- Do not dilute with solvents
- Heavier applications take longer to cure

## 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  
Jiffy Mixing Paddle  
Drill  
Flat Squeegee  
Putty Knife

## 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 7126. 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 7126. 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.

## TEMPERATURE EVALUATION

Ambient and substrate temps should be above 50°F and a minimum of 5°F above Dew Point. Product temps should be between 70-80°F. Relative Humidity should not exceed 80%. See CrownTech Bulletin 7: Temperature & Relative Humidity

**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.**

**DO NOT MIX MORE MATERIAL THAN CAN BE APPLIED IN 10 MINUTES**

## MIXING

**1** Pre-Mix A-Component in its respective container using Jiffy mixer and drill at slow speeds for 1 minute until pigment is uniform.

**IF USING MULTIPLE BATCHES, IT IS BEST TO BOX ALL A-COMPONENTS TOGETHER THEN SEPARATE BACK INTO INDIVIDUAL CONTAINERS TO ENSURE EVEN PIGMENTATION.**

**2** Pre-Mix B-Component in its respective container using clean Jiffy mixer and drill at slow speeds for 30 seconds or until thoroughly homogeneous.

**3** Transfer A-component and B-component at a mix rate of 7A:1B by volume into a clean 5-gal bucket and mix for 2-3 minutes being sure to scrape sides of the bucket with a stir stick ensuring both components are thoroughly blended

## COVERAGE RATE

**300 Lf / Gal @ 1/4" x 1/4"**

**COVERAGE RATE WILL VARY DEPENDING ON WIDTH AND DEPTH OF JOINT. REFER TO COVERAGE RATE CHART**

## WORKING TIME

**10 Minutes @ 75°F**

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

## APPLICATION PROCEDURE

**1** Use putty knife or flat squeegee to apply mixed material to prepared joints and cracks

**✓** Allow coating to dry 1 Hr @ 75°F  
Do not force dry.  
Once dry, shave excess material flush with razor scraper  
Light Traffic: 24 Hours  
Heavy Traffic: 48 Hours

## 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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**SCAN QR CODE FOR FULL DISCLAIMER AND LIMITED WARRANTY INFORMATION**

**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**