

DESCRIPTION

CCW-201 is a multi-component, chemical curing, low modulus, non-sag, polyurethane sealant especially formulated for dynamically moving joints. CCW-201 is designed to provide long term performance +50% movement capability and excellent weathering characteristics. CCW-201 offers primerless adhesion to commonly used construction materials.

TYPICAL USES

CCW-201 is recommended for joints in tilt-up construction, pre-cast panels and other masonry surface, joints in metal curtain walls, sealing window and door perimeters, control joints, and for most horizontal joints in decks or pavements. CCW-201 is also used at all angle changes and inside corners including all penetrations and decks, walls, curbs, etc.

LIMITATIONS

CCW-201 Sealant is not recommended for:

- Structural, Butt, Cap, Heel or Toe Bead glazing with certain glass or acrylic sheets.
- Joints less than 1/4" wide x 1/4" deep.
- Continuous immersion without a primer. (Avoid continuous immersion applications if chlorine content is greater than 3ppm)
- · Painted surfaces without prior testing.
- Damp or contaminated surfaces, especially joints with polysulfide residue.
- Consult manufacturer when temperature is below 40°F.
- · Exposed traffic areas

PACKAGING AND COLORS

1.5 Gallon kit (in 2 gallon pail, plus color pack)

Standard color packs: White, Off White, Gray, Tan Precast, Limestone, Bronze, Redwood Tan, Charcoal, Beige and Buff.

Note: Sealant colors may be effected by acid type cleaning solutions.

Color Pack must always be used.

CCW-201

MULTI-COMPONENT, NON-SAG POLYURETHANE SEALANT

PROPERTY	TEST METHOD	RESULTS			
Elongation	ASTM D 412	700%			
Tensile Strength	ASTM D 412	200 psi			
Hardness	ASTM C 661	30±5 Shore A			
Tack Free	ASTM C 679	12 hours			
Pot Life	ASTM C 603	4-1/2 hours			
Sag (Slump)	ASTM C 639	1/16" Maximum			
Adhesion-in-peel	ASTM C 794	20 lb./in.			
Adhesion after		No failures at			
cyclic movement**	ASTM C 719	±50% movement			
Weight Loss*	ASTM C 792	3% wt. loss			
Crack & Chalk*	ASTM C 792	None			
Staining	ASTM C 510	No stain			
Values typical at standard conditions: 75° F, 50% RH. * After Heat Aging ** Primed concrete					

APPLICABLE STANDARDS

Fed Specifications TT-S-00227E, Type II, Class A ASTM C 920-79 Type M, Grade NS, Class 25

INSTALLATION

Joint Design: Width of joint should be 4 times the anticipated joint movement. Minimum width and depth of joint shall be 1/4"

Surface Preparation: Joint surfaces must be dry, clean and free of dust, laitance, or contamination which may affect the adhesion of the sealant. Saw cut, grinding, wire brush, sand blast or solvent cleaning may be required.

In the event of mechanical cleaning, solvent wipe joints and allow solvent to evaporate.

Joint Backing: Backer rod shall be flexible, closed cell polyethylene. The backer rod should be 1/8" to 1/4" larger in diameter than the joint width. Use a blunt tool to install the backer rod to prevent puncture or damage. Do not stretch the rod when installing.

In the event depth of joint prevents use of a backer rod, bondbreaker tape must be installed to prevent three sided adhesion.

Angle Changes: Install a 3/4" face, 45 degree cant of CCW-201 at all angle changes & inside corners including penetrations through the deck, walls, etc.

Depth of Sealant: Joint width 1/4" to 3/8": sealant depth = joint width; joint width 1/2" to 1": sealant depth = one-half of joint width; joint width greater than 1": sealant depth shall be 1/2" to 5/8" (max.).

Primer: Usually not required except for continuous immersion. Use CCW-555 Primer for porous surfaces, CCW-556 Primer for metal. Consult with the Carlisle Representative.

Note: Due to the use of unusual building materials and surface treatments, it is recommended that field test be made to ensure proper adhesion. Marble and granite vary in porosity, requiring field test to determine acceptance of possible bleeding.

Mixing: Use a flat paddle with a heavy duty drill motor. Mix the Base until it is a smooth, heavy liquid. Add the catalyst and the color pack to the Base and mix until the compound is completely blended, of an even color with no streaks. (Color pack <u>must</u> be used.) Mixing time is 6 minutes minimum. Scrape sides of container and the mixing paddle periodically during mixing.

Do not exchange catalyst from one unit to another. Each unit has proper, premeasured amounts. Mix only complete units.

Sealant Application: Apply sealant with standard caulking equipment using sufficient pressure to ensure complete filling of the joint.

Tooling: Using proper shape and size tool for joint, tool joint immediately after application. Use sufficient pressure to ensure any air which may be in the sealant is forced out, and that sealant is pressed firmly against the sides of the joint.

Clean-Up: Remove uncured sealant and clean tools or equipment with xylene or toluene.

CAUTION: Xylene and toluene are combustible solvents. Observe solvent manufacturer's instructions and precautions.

MAINTENANCE

If sealant is damaged, cut out damaged portion, apply CCW-555 Primer and apply new sealant.

WARNINGS AND HAZARDS

Avoid breathing vapors. Avoid contact with the skin and eyes. In the event of contact with the skin, clean off immediately and wash in warm soapy water. Refer to MSDS for other important warnings and product information.

SHELF LIFE

At temperatures below 80° F, shelf life is 12 months in the original, unopened container.

COVERAGE

The following table is a guide to estimate the number of lineal feet of various size joints filled by one gallon of sealant.

Joint	Joint Width					
Depth	1/4"	3/8"	1/2"	5/8"	3/4"	1"
1/4"	310	210	160	126		
3/8"		142		85	70	
1/2"					50	40

LIMITED WARRANTY

CARLISLE COATINGS & WATERPROOFING INCORPORATED (CARLISLE) warrants this product to be free of defects in workmanship and materials only at the time of shipment from our factory. If any Carlisle materials prove to contain manufacturing defects that substantially effect their performance, Carlisle will, at its option, replace the materials or refund its purchase price.

This limited warranty is the only warranty extended by Carlisle with respect to its materials. There are no other warranties, including the implied warranties of merchantability and fitness for a particular purpose. Carlisle specifically disclaims liability for any incidental, consequential, or other damages, including but not limited to, loss of profits or damages to a structure or its contents, arising under any theory of law whatsoever.

The dollar value of Carlisle's liability and buyer's remedy under this limited warranty shall not exceed the purchase price of the Carlisle material in question.



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