



ACC 201 Polyurea Joint Filler

USGBC Leed, EQ Credit 4: Low – Emitting VOC Compliant Materials

Product Description -

ADVACOAT ACC 201 Polyurea Joint Filler is a self leveling, 100% solids, flexible, two component, rapid curing polyurea elastomer joint filler. ACC 201 is designed for 10-15% movement of installed joint width.

ACC 201 Polyurea Joint Filler will cure in temperatures low as -30°F. Concrete is recommended to cure at least 30 days prior to installation of joint filler.

Uses -

ACC 201 Polyurea Joint Filler is used to fill interior random cracks, control joints or new construction joints on horizontal concrete surfaces. ACC 201 is designed specifically for industrial floor applications receiving heavy vehicle traffic, such as forklift and steel wheeled carts. ACC 201 is flexible, accommodating small slab movement yet strong enough to protect the vertical edges of concrete from spalling under extreme loading. ACC 201 can be used in exterior applications where little joint or crack movement from thermal cycling will occur. ACC 201 is recommended for repair of cracks, damaged control joints or new construction joints in cold storage facilities, freezers, and food processing plants where time and temperature are serious considerations.

Advantages -

- 100% Solids, Zero VOCs
- Flexible, 450-500% Elongation
- Remains Flexible in Cold Temperatures
- Cures From -20°F to 200°F
- USDA, FSIS, CSA Approved
- CFIA Approved
- Resists Jet Fuel
- Self Leveling

Ideal Applications -

- Cold Storage Areas
- Industrial Warehouses
- Food Processing Areas
- Automobile Dealerships
- Freezers
- Aircraft Hangars
- Roofing

Limitations-

ACC 201 should not be used to fill exterior cracks, control joints, or construction joints if deck or slab movement from thermal cycling is expected.

ACC 201 is an aromatic based polyurea. Discoloration from exposure to ultraviolet light may occur, however the physical properties are unaffected.

Contact Advantage Chemical Coatings for any further information regarding 'Limitations'.

Packaging -

- One Hundred Ten Gallon Kit: 55 gallons of 'A' side and 55 gallons of 'B' side.
- Ten Gallon Kit: 5 gallons of 'A' side and 5 gallons of 'B' side.
- Six Hundred ML Cartridge: 300ML of 'A' side and 300ML of 'B' side packaged as a duplex cartridge. Ten cartridges per case.
- Fifteen Hundred ML Cartridge: 750ML of 'A' side and 750ML of 'B' side packaged as a duplex cartridge.

Coverage Rates -

Linear Feet Per Gallon: Theoretical

Inches	1/4	1/2	3/4	1
1/4	308	154	103	72
1/2	154	77	51	38
3/4	103	51	34	26
1	72	38	26	19

Linear Feet Per 600ML Cartridge: Theoretical

Inches	1/4	1/2	3/4	1
1/4	53	27	18	13
1/2	27	13	9	7
3/4	18	9	6	4
1	13	7	4	3

Mixing-

1:1 Ratio pump mix. Cartridges are pre measured.

Colors -

Basic colors from ADVACOAT solid Color Chart as standard colors. Tan, Cantilever Tan, Ostrich feather, Dark Gray, Light Gray, Black, Yellow, White, Tile Red and Mocha.

Custom tinting on request. Consult Advantage Chemical Coatings. Two week turn around time is required, although not standard.

Preparation and Installation -

Regard ADVACOAT specification: Polyurea Joint Filler, for detailed joint preparation and installation procedures.

Clean Up -

Cured product may be disposed of without restriction. Excess liquid 'A' and 'B' material should be mixed together and allowed to cure, then disposed of in the normal manner. Product containers that are "drip free" may be disposed of according to local, state and federal laws.

Shelf Life -

One year, in original, unopened factory containers, under normal storage conditions of 55°F to 95°F.

Technical Services -

Sales and Customer Support 1-877-830-2628, or contact your local sales representative or distributor. Visit www.Advacoat.com for any relative information on products.

Warranty - ADVACOAT will refund the price of or replace, at its election, product it finds to be defective provided the product has been used properly. Except as expressly stated above, the Company makes no warranty of merchantability and no warranty of fitness for any particular purpose, nor does it make any warranty, expressed or implied, of any nature whatsoever with respect to the product or its use. In no event shall the company be liable for delay caused by defects, for loss of use, for indirect, special or consequential damages, or for any charges or expenses of any nature incurred without its written consent.

Physical Properties -

Cured Film Properties	Test Method	Typical Value
Solids Content		100%
Shore Hardness	ASTM D2240	75-80A
Elongation	ASTM D412	460-500%
Tensile Strength, psi	ASTM D412	620
100% Modulus, psi	ASTM D412	280
300% Modulus, psi	ASTM D412	450
Tear Strength, pli, Die C	ASTM D624	150
Taber Abrasion, mg loss. (1000 gms, 1000 revs, H-18 wheels)	ASTM D4060	840
Pot Life		0 min
Tack Free		2-3 min
Initial Cure		60 min
Final Cure		7 Days

Chemical Resistance -

R *Recommended

RC * Recommended Conditionally (wash down within 1 hour of spillage)

N *Not Recommended

1 *Suitable for immersion and/or splash and spillage conditions

2 *Suitable for occasional or intermittent contact for up to 72 hours

Test Procedure: ASTM D3912 25°C Exceeds 1 Year Test Media

Test Media:

C Acetic Acid 10%
 R Ammonium Hydroxide
 R 10%/20
 R Diesel Fuel
 R Gasoline
 R Hydraulic Fluid
 R Hydrochloric Acid 5%/10%
 R Methanol
 R Motor Oil
 R MTBE
 R MTBE/Gasoline 5%
 R NaCl/Water 10%
 R Phosphoric Acid 10%
 R Potassium Hydroxide
 R 10%/20%
 R Sodium Hydroxide
 R 10%/20%/50%
 R Sugar/Water 10%
 R Sulfuric Acid 5%/10%
 2 Skydrol
 C Toluene
 R Water
 R 2-Methylbutane

Test Media:

C Acetone
 R Antifreeze
 R Benzene
 R Benzoic Acid
 R Butyl Alcohol
 R Butyl Cellosolve
 R Carbon Dioxide
 N Calcium Hypochlorite
 2 Chlorine (5000 ppm in water)
 R Citric Acid
 R Cylloexanol
 C Dichloacetic Acid
 N Dimethyl Formamide
 2 Ethanol
 1 Ethylene Glycol
 R Gasoline
 R Hexane
 R Hydraulic Oil
 R Hydrochloric Acid <35%
 1 Lactic Acid 10%
 C Methylene Chloride
 C Methyl Ethyl Ketone
 R Methanol
 R Mineral Spirits
 R Monobutyl Ether
 C Nitric Acid 20%
 2 Phenol
 2 Skydrol
 R Sodium Bicarbonate
 R Sodium Chloride
 R Sodium Hydroxide 50%
 2 Sodium Hypochlorite 10%
 R Stearic Acid
 N Sulfuric Acid 70%
 C Trichloroethylene
 R Trisodium Phosphate
 C Toluene
 R Vinegar
 C Xylene