



Ac50 QS

QUICK-SET ROOF COATING

PRODUCT DESCRIPTION

Rugged Coatings Ac50 QS Elastomeric is formulated using a quick-set 100% acrylic polymer that provides outstanding weathering and superior reflectivity properties. The accelerated-set technology allows the coating to set as soon as 45 minutes after application and can withstand light rain. Formulated to resist cracking and peeling, Ac50 QS provides excellent waterproofing capabilities. The bright white finish reduces surface temperatures and minimizes thermal expansion and contraction. Under-the-roof temperatures are also reduced, lowering cooling costs.

GENERAL USES

As a finish coat in fluid applied roofing systems over metal, urethane foam, concrete, smooth BUR, asphalt and modified bitumen, granular cap sheets, single ply membranes, and other approved surfaces. Refer to Rugged Coatings Fluid Applied Roofing System Specifications.

PACKAGING

SKU (White)	SIZE
ACRW-300-D	55 gallon drum
ACRW-300-P	5 gallon pail

COLORS



White



Gray

CUSTOM COLORS AVAILABLE

PERFORMANCE CHARACTERISTICS

Elongation/Tensile @ 73°F (ASTM D2370)	
Initial Elongation	336%
Tensile Strength	215 psi

APPLICATION EQUIPMENT

- Brush/Roller
- Airless Spray
 - Hydraulic pump with minimum pressure of 2,800 psi
 - Spray tip: Reversible, self-cleaning tip without diffuser pin.
 - Size .033" with a fan angle of 60° (ex. 633)
 - Hose Size: At 300' total hose length, use 250' of 3/4" to 1/2" 10" swivel whip and 3/4" hose.
 - General: The longer the hose, the smaller the tip orifice size.

PRODUCT CHARACTERISTICS

Color	White, Gray or Tan
Vehicle Base	100% Acrylic Resin
Weight per Gallon	11.47 lbs
Solids by Weight (ASTM 2369)	66 ± 2%
Solids by Volume	51%
Dry Film Thickness (@ 1 gal/100 sq. ft less surface absorption)	8.3 mils
Dry Time @ 75°F and 50%RH	
To touch	45 minutes
Between coats	>6 hours
Full cure	30 days
Drying Time is temperature, humidity and film thickness dependent	
VOC	< 50 g/L
Specific Gravity	1.43
Clean Up	Warm, soapy water
Solvent	Water
Shelf life	12 mos, conditions dependent

APPLICATION CONDITIONS

Do not apply below 50°F (10°C) or when rain is forecast. Applications during periods of low temperature or high humidity (Maximum humidity level: 85%) will extend dry time. Allow 4-6 hours for coating to dry prior to being subjected to rain, heavy dew or temperatures below 50°F.

KEEP FROM FREEZING. Refer to product application bulletin for detailed application information.





FOR PROFESSIONAL USE

SURFACE PREPARATIONS

It is very important that you apply roof coatings and sealants to a clean, dry roof. Dirt, debris and grease can interfere with the ability of a product to adhere fully to the surface of your roof. Surface must be pre treated with manufacturers approved cleaner then power washed to remove dirt, loose paint and rust, excessive chalk, and other foreign matter which could prevent proper adhesion. All surfaces must be dry and free of dust, dirt, oil, loose materials, peeling paint etc. Rusty metal must be cleaned and primed with a rust inhibiting primer. Surfaces with mildew or biological growth must be cleaned with a bleach solution (2 parts water to one part bleach). Clean and pressure wash the roof. A mild detergent with broom is recommended on single ply membranes. Use only a wide fan spray tip. Previously coated surfaces must be completely dry and cured. Contact RUGGED COATINGS with material type questions. Once dry, prime surface as required. Next, treat all penetrations, drains, flashings, ponding, terminations, curbs, etc., with approved RUGGED COATINGS sealant and or reinforcement as specified by manufacturer. See website for specifications and details.

PRIMERS

A RUGGED COATINGS approved bleed blocking primer should be used on applications over asphalt substrates to help limit bleed through or discoloration. Asphalt, single ply membranes and metal should be field adhesion tested to determine if primer is needed.

CLEAN UP

Brushes and rollers may be washed with water, spray equipment should be thoroughly flushed with water and stored with pump manufacturers suggested storage media.

APPLICATION

For exterior use only. DO NOT THIN. Rain, dew, fog, frost and relative humidity greater than 70% may result in adhesion problems. Protective clothing, gloves, and eyewear should be used during application. Application should be completed when air and material temperatures are between 50 °F and 120 °F. Application can take place at colder temperatures (above 32 °F) however, special precautions must be taken to ensure there is NO MOISTURE, DEW or FROST present on the roof. These conditions will create adhesion issues. Apply with a 3/4" nap exterior paint roller (preferably with mill gauge) or long bristle brush. Contact RUGGED COATINGS for spray requirements. Apply a uniform coat over entire surface. Coverage rate is 1.5 - 4 gallons per square (1 gallon per 100 square feet) yields approximately 8.3 dry mil) in a one coat application. Coverage requirements varies depending on warranty & term.

For extended warranty information, see published warranty qualifications or visit www.RuggedCoatings.com.

If multiple coats are used, additional coats shall be applied between 4 - 24 hours after first coat, or when foot traffic does not affect dry coating. If there will be foot traffic on roof after installation (and cured), applicator may embed 35-60 lbs. of #11 ceramic granules per 100 sq ft into top layer of coating to create a non-skid finish or walkway, walkway may be a safety color. Surfaces without granules are slippery when damp or wet.

Coating dries in 2 - 4 hours and fully cures in 8 - 24 hours at 70 °F and 50% relative humidity at 1.5 gallons per square. Thicker films, poor air flow and low humidity will increase dry times. Seal container when not in use. Do not walk on coating until fully cured.

WARRANTY AND DISCLAIMER

Rugged Coatings warrants Ac50 QS Roof Coating to be free from defects in materials and manufacturing. Under this warranty, we will provide, at no charge, a quantity of Ac50 QS Roof Coating sufficient to replace any Ac50 QS Roof Coating proven to be defective when applied according to our written instructions and in applications recommended by us as suitable for the product. THIS LIMITED WARRANTY IS THE BUYER'S SOLE AND EXCLUSIVE REMEDY AGAINST RUGGED COATINGS REGARDING THE PRODUCT. IN NO EVENT SHALL RUGGED COATINGS BE LIABLE FOR ANY CONSEQUENTIAL, SPECIAL, INCIDENTAL, INDIRECT, PUNITIVE OR OTHER DAMAGES ARISING FROM THE USE OR PERFORMANCE OF THE PRODUCT.

Since methods of application and on site conditions can affect performance, RUGGED COATINGS MAKE NO OTHER WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE REGARDING THE PRODUCT, AND RUGGED COATINGS HEREBY DISCLAIM ALL SUCH OTHER WARRANTIES.

The information and recommendations set forth in this Product Data Sheet are based upon tests conducted by or on behalf of Rugged Coatings. Such information and recommendations set forth herein are subject to change and pertain to the product offered at the time of the publication. Consult your Rugged Coatings Technical Representative to obtain the most recent Product Data Information.

If further information is needed, contact Rugged Coatings Technical Service at

205-440-4996

