

Product Description Sheet

Single Component Solar Reflectant Acrylic

1. PRODUCT DESCRIPTION

A. COMPOSITION

AJ-44 SR Topcoat is a single component self-crosslinking solar-reflective acrylic sealer designed for application on Dex-O-Tex Weatherwear, Dex-Flex and other promenade deck, roof deck surfaces, and to polymer modified cementitious coatings such as Dex-O-Tex Resistite and properly primed concrete.

An important characteristic of AJ-44 SR topcoat is that it increases the solar reflectance index (SRI) of the exposed surface, which results in a significantly cooler surface. AJ-44 SR also features excellent hiding, wash-down characteristics and excellent weathering and wear qualities.

AJ-44 SR Topcoat is an easy to apply economical sealer. It is recommended for resealing some Dex-O-Tex systems to improve overall energy savings, via reduction in conditioned air utility costs. It may be applied to properly prepared surfaces where stain resistance and cleanability are a consideration.

B. TYPICAL USES

AJ-44 SR Topcoat is used on swimming pool walkways, decks, balconies, promenade decks and roof decks.

C. ADVANTAGES AND LIMITATIONS

ADVANTAGES

1. High Solar Reflectance Index
2. Reduces surface temperature of decks
3. Assists in room conditioning utility costs
4. Economical
5. Durable, abrasion resistant
6. Cleanable, easy to maintain
7. Excellent weathering characteristics—resistant, non-yellowing
8. Installed only by Professional Factory Trained Dex-O-Tex Contractors.

LIMITATIONS

1. Apply only to clean, relatively dry surfaces.
2. Apply only during temperatures ranging from 45°F to 110°F.
3. Moisture Vapor Emission Rates (MVER) in excess of 6 lbs/1000 sq/ft/per 24 hr period per ASTM F1869, may result in delamination, discoloration or improper curing. Use either Dex-O-Tex Vapor Control 100 or 200 vapor control membranes over substrates, which have MVER that exceed these limits

2. TYPICAL PHYSICAL PROPERTIES*

Vehicle Type..... Proprietary blend of acrylic polymers in aqueous dispersion

Cleaning Solvent Water

Color Standard colors

Physical Properties

Flexibility Excellent
Weather Excellent
Abrasion Very Good
Volume Solids 40 % approximately
Weight Solids 55 % approximately
PVC 20 % approximately

Curing time (@ 77°F)

Dry to touch 20-30 minutes
Recoat 1 hour
Open to traffic 4 hours
Leveling ability Excellent

COMPARISON OF SOLAR REFLECTANCE Between AJ44 SR and AJ44 XL:

Product Name	SRI	Difference
304 Sandpiper Beige XL	46	23
304 Sandpiper Beige SR	69	
431 Bright Gray XL	17	32
431 Bright Gray SR	49	
413 Speedway Gray XL	36	29
413 Speedway Gray SR	65	
3305 Dodge City Tan XL	32	26
3305 Dodge City Tan SR	58	
2101 Toffee XL	20	36
2101 Toffee SR	56	
503 Adobe XL	14	32
503 Adobe SR	46	
3304 Provincial Tan XL	43	23
3304 Provincial Tan SR	66	
2102 Copper Kettle AJ44 XL	23	27
2102 Copper Kettle SR	50	
4413 Dolphin Gray XL	29	27
4413 Dolphin Gray SR	56	
0110 White XL	70	10
0110 White SR	80	

CHEMICAL RESISTANCE CHART

Environment	Immersion	Splash/ Spillage	Exterior Weathering
Acid	LR	LR	R
Alkali	LR	R	R
Solvent	LR	LR	R
Salts	R	R	R
Water	R	R	R

R-recommended

NR-not recommended

LR – limited recommendation

*Test valves and physical characteristic determine 74°F

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3. OVERVIEW OF INSTALLATION STEPS

Apply in thin coats by brush, roller, or airless spray. The recommended tip orifice for airless spray is between size 17 and size 21 depending upon equipment used and environmental conditions. It is usually applied in two coats and sometimes three coats. Always allow for losses due to application methods, surface porosity and texture. Dries to touch in approximately 20 minutes.

4. PRODUCT AVAILABILITY

Crossfield Products Corp. maintains offices and/or factories at all addresses listed below. Factory Trained Contractors are established in all major trading areas in the United States, Canada and various European, Latin American and Far East nations.

5. SKID RESISTANCE and CLEANABILITY

In general the more aggressive the finished surface the greater the coefficient of friction and corresponding skid resistance, the more difficult to clean. The smoother the finished texture the easier the surface is to clean, but there is a loss of skid resistant properties.

6. CLEANING

Cleaning and disinfecting compounds and cleaning techniques can affect the color, gloss, texture and performance of the system. As a precautionary step, Crossfield recommends that the end-user test their cleaning and disinfecting compounds on a sample or on a small, out of the way finished area, utilizing the intended cleaning technique prior to cleaning the entire surface area. If no deleterious effects are observed, the procedure can be continued. If the cleaning and disinfecting compounds or cleaning techniques damage the system, modification of the cleaning material or techniques will be required. Contact your Representative for additional information.

7. SPECIFICATION ASSISTANCE

Consult Crossfield Products Corp. for specification assistance, detailing, etc. This consultation is highly recommended prior to specification.

8. CHEMICAL RESISTANCE

See Crossfield Products Corp's., Chemical Resistance Guidelines for chemical resistance of a product or system, as well as the types of test performed:

- ASTM C868 Standard Test Method for Chemical Resistance of Protective Lining.
- ASTM C267 Standard Test Method for Chemical Resistance of Mortars, Grouts, and Monolithic Surfacing and Polymer Concretes.
- ASTM D1308 Standard Test Method for Effect of Household Chemicals on Clear and Pigmented Organic Finishes
- Crossfield Products Corp. Proprietary Testing

Note: Chemical resistance is a functional test, usually limited to changes in weight or thickness measured in loss or gain and does not evaluate subject aesthetic issues. To determine aesthetic issues, Crossfield recommends testing the products or system in accordance with intended end use.

9. TESTING

The technical data contained herein is the result of tests made in Crossfield's laboratories or in independent laboratories using small scale equipment, following generally accepted trade practices. Although this information is believed to be true and accurate, the use of different equipment for testing under dissimilar conditions or the testing of samples produced under dissimilar conditions may develop substantially different results.

LIMITED WARRANTY

NO WARRANTY SHALL BE EFFECTIVE UNTIL THE TERMS AND CONDITIONS OF SALE SET FORTH IN CROSSFIELD PRODUCTS CORP. INVOICE ARE MET.

Crossfield Products Corp. warrants to the purchaser of its products that such products are free from manufacturing defect. Crossfield does not warrant or guarantee the workmanship performed by any person or firm installing its products. Crossfield's obligation under this warranty is limited solely to the original purchaser and solely to the remedy of replacement in kind of any product which Crossfield sold which may prove defective in manufacture within one year from date of installation, provided said product was stored correctly and installed within the product's shelf life, by the original purchaser and which Crossfield examination shall disclose to Crossfield's satisfaction to be thus defective.

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CAUTION: ALWAYS KEEP OUT OF THE REACH OF CHILDREN.



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