



FLEXSTONE COLORCOAT AR

FOR USE ON TEXTURED STONE SYSTEM

PRODUCT DESCRIPTION

COMPOSITION: COLORCOAT AR is a single component, liquid applied, moisture-cured, aromatic, polyurethane surface protection coating.

BASIC USES: COLORCOAT AR is the low cost wear surface topcoat used in the FLEXSTONE Decking Systems. COLORCOAT AR is the "aggregate receiving coat" in the decorative textured stone decking system. When COLOR-COAT AR is incorporated into these systems, it helps to waterproof concrete and plywood decks, parking structures, mechanical equipment pads and areas that require a seamless membrane for protection against water damage. It can also be used in industrial locations where surfaces must withstand vehicular and foot traffic. COLORCOAT AR can also be used on properly prepared metal, rubber, wood, and masonry surfaces that require weather protection. It helps protect the surface from some types of mild chemical spills and will eliminate concrete dusting problems.

PACKING: Available in 5 gallon containers.

PRE-APPLICATION PRECAUTION

LIMITATIONS: COLORCOAT AR is an aromatic topcoat and the surface may become flat and may have some color change over time if exposed to direct sunlight. Containers that have been opened must be used within 1 or 2 days, since COLORCOAT AR is a moisture reactive material which sets up when exposed to air. COLORCOAT AR should not be diluted. It is recommended to apply the COLORCOAT AR on a textured surface in order to provide the needed slip-resistance. Non textured surfaces may be slippery under wet conditions

PRECAUTION: COLORCOAT AR is a component of the FLEXSTONE Decking Systems. It is primarily used as stipulated in these FLEXSTONE SPECIFICATIONS. Results occurring from use other than what is specified in the FLEXSTONE SPECIFICATIONS are not tested or recommended.

GENERAL: COLORCOAT AR requires a few precautions to be followed during and after application. Each application should be done in one complete step. A continuous application will ensure a smooth and level coat with no lines or streaks to disfigure the deck. Application should not be stopped part way across an area and then completed several or more hours later.

MIXING INSTRUCTIONS: Mix COLORCOAT AR thoroughly before using or adding the optional COLORCOAT ACCELERATOR. Material should be mixed thoroughly with a mechanical mixer, at low RPM. Care must be taken not to whip air into the mixture as this may cause pin-holes.

APPLICATION: The first coat of COLORCOAT AR should be applied at the rate of 80 to 100 square feet per gallon, depending upon the surface texture. For best results use a roller or squeegee. Spread COLORCOAT AR evenly over the entire deck resulting in 12 +/- 2 dry mils. Allow to cure over night before applying the second coat. Most applications require two coats. A third coat may be necessary depending on the job specifications and requirements. When estimating material requirements, coverage rates tend to increase per gallon for subsequent coats of material. Allow each coat to cure over night between coats. To obtain proper adhesion between coats it is imperative that re-coating be done within 48 hours.

CURING: Allow COLORCOAT AR to cure at least 24 hours before permitting light pedestrian traffic and at least 72 hours before permitting heavy traffic or placing heavy objects on the completed system. **Note:** Curing time depends on humidity and temperature. Low temperature and low humidity extends the curing time. Use the optional COLORCOAT ACCELERATOR to shorten cure time. Refer to the FLEXSTONE COLORCOAT ACCELERATOR ADVISORY and Technical Bulletin for further information.

EQUIPMENT CLEANUP: Equipment should be cleaned immediately with an environmentally-safe solvent, as permitted under local regulations.

TECHNICAL DATA

PhysicalProperty	TestMethod	Results[Metric]	Results[English]
Coverage Rate		0.31-0.51 l/m ²	¾-1¼ gal/100ft ²
Dry Film Thickness per Coat		290 ± 51 microns	10-14 ± 2 mills
Hardness	ASTM D-2240	90 ± 5 Shore A	90 ± 5 Shore A
Shelf Life		6 months	6 months
Specific Gravity		1.2	1.2
Tear Resistance Die C	ASTM D-624	48 kN/m	275 pli
Tensile Strength	ASTM D-412	20.3 MPa	2950 psi
Total Solids by Weight	ASTM D-2369	80 +/- 2%	80 +/- 2%
Total Solids by Volume	ASTM D-2697	72 +/- 2%	72 +/- 2%
Ultimate Elongation	ASTM D-412	520%	520%
Viscosity at 24°C (75°F)		2500 ± 500 cps	2500 ± 500 cps
Volatiles Organic Compounds	ASTM D- 2369-81	250 gm/liter	2.08 lbs./gallon

PRECAUTIONS: This product contains flammable solvents. Keep these materials away from heat, sparks and flames. Personnel applying these coatings should wear protective clothing, use respiratory protection, safety goggles and gloves. Avoid contact of material with skin or eyes and avoid breathing the solvent vapors. Mix and apply in well-ventilated areas and observe normal safety precautions required for solvent containing materials. Read the MSDS sheets before using this product. This product is for professional use only.

LIMITED WARRANTY: Flexstone warrants this product to be free of defects in materials only at the time of shipment from our facility. If any FLEXSTONE materials prove to contain manufacturing defects that substantially affect their performance, FLEXSTONE will, at its option, replace the materials.

This limited warranty is the only warranty extended by FLEXSTONE with respect to its materials. There are no other warranties, including the implied warranties of merchantability and fitness for a particular purpose. FLEXSTONE 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 FLEXSTONE'S liability and buyer's remedy under his limited warranty shall not exceed the purchase price of the FLEXSTONE material in question.