



AMS 3754 White

Water-Emulsion, AMS Resin Curing Compound

DESCRIPTION

AMS 3754 White is a water-emulsion, VOC compliant, white pigmented, poly-alpha-methylstyrene resin, concrete curing compound. **AMS 3754 White** has been formulated to form a membrane film on the surface of the concrete optimizing water retention for maximum concrete hydration and compressive strength development. The white pigment increases reflectance, cooling the freshly poured concrete. Reflectance reduces surface temperature, thus minimizing vapor pressure and moisture loss.

USES

AMS 3754 White is ideal for curing concrete that will be exposed to the sun, such as bridge decks, piers, highways, pavement slabs, airport runways, parking decks, sidewalks, ramps, curbs and gutters.

BENEFITS

- Water-Based: Low odor
- VOC Compliant: Meets stringent requirements
- Clean-up with water
- Approved by many state DOTs
- Minimizes thermal cracking, dusting and defects
- Performance: Produces hard, dense concrete
- Strength: Increases compressive and tensile strength over untreated concrete
- Will not permanently discolor colored concrete
- Consistent: Strict Quality Control testing and standards

STANDARDS

AMS 3754 White meets and exceeds the requirements of Minnesota DOT 3754, ASTM C309 Type 2, Class A and B and AASHTO M148 as tested in accordance with ASTM C156 and AASHTO T155.

SURFACE PREPARATION

AMS 3754 White should be applied to freshly placed concrete as soon as the bleed (surface) water has dissipated. On formed and vertical surfaces, **AMS 3754 White** should be applied to concrete immediately upon removal of the formwork.

COVERAGE

Approximately 200 ft²/gal. Coverage may vary depending on porosity of surface.

MIXING

For best results, mix thoroughly before each use. Do not over agitate or use high speed mixing equipment.

PLACING

Apply with a low pressure sprayer, brush or roller at a rate of 200 ft²/gal. Spray application is recommended. A hand held pump sprayer or an airless industrial sprayer is acceptable. Apply evenly without puddling. Do not interchange use of sprayer that has been used to spray a solvent based product.

PHYSICAL PROPERTIES

Complies with VOC contents in accordance with Federal EPA 40 CFR Part 59 Table 1, Subpart D for Concrete Curing and Sealing.

VOC	159 g/L
Color	Milky White
Viscosity	148 CPS
Flash Point	Non-Flammable
Dry Time	1.5 hrs @ 70°F (21°C)
Shelf Life	1 Year

STORAGE

Protect from freezing. Store material in an interior, cool, dry place above 45°F (7°C). Shelf life is one year in original, unopened container.

CLEAN-UP

Clean tools and equipment with warm, soapy water. After material has dried, it may be necessary to use solvents such as mineral spirits, toluene or xylene.

LIMITATIONS

In addition to the limitations already mentioned, please note the following. If surface is to receive subsequent coatings, paints or toppings, it is necessary to completely remove the curing compound. **AMS 3754 White** must be exposed to heat, traffic or sunlight to fully dissipate. When applied indoors, chemical means may be necessary for removal. Do not apply when the temperature of concrete is below 40°F (4°C). Do not mix with any other products. Do not pour unused material back into original container.

Packaging: 5 gal (18.9 L) pail, 55 gal (207.9 L) drum



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WARNING

May cause eye damage/irritation. May cause skin irritation. May cause respiratory irritation. Wear protective gloves and eye/face protection. Wash with plenty of water and soap thoroughly after handling. Avoid inhalation of vapors. Do not eat, drink or smoke when using this product. Use only outdoors or in a well ventilated area.

FIRST AID

If in eyes: rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: call a poison center or doctor/physician. If swallowed: contact a poison control center/doctor if you feel unwell. Rinse mouth. If on skin: wash with plenty of soap and water. If skin irritation or rash occurs, get medical advice. Take off contaminated clothing and wash it before reuse.

MANUFACTURER/TECHNICAL SERVICE

Contact your US SPEC manufacturer's representative for the most current product information. Always read and follow the warnings and instructions on the most current technical data sheets, available online at www.usspec.com.

US MIX Co.
112 South Santa Fe Drive
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Web Site: www.usspec.com

NOTICE OF LIMITED WARRANTY US MIX Co. (manufacturer) warrants to buyer that this product at the time and place of shipment is of good quality and conforms to the manufacturer's specifications in force on the date of manufacture when used in accordance with the instructions hereon. Manufacturer cannot warrant or guarantee any particular method of use, application or performance of the product under any particular condition. This limited warranty cannot be extended or amended by manufacturer's sales people, distributors or representatives or by any sales information, specifications of anyone other than the manufacturer. Liability under this warranty is expressly limited to refund of the purchase price. See product packaging for complete limitation of warranties and liability.