



The Chemical Company

Technical Data Guide

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Resinous
Flooring

MasterTop® SRS 71TC

Industrial strength methyl-methacrylate top coat resin for functional and decorative floors

FORMERLY DEGADUR® R71™

YIELD

All coverage rates are approximate. Coverage rates will vary with the desired texture and porosity of substrate. Please refer to individual flooring system data sheets for coverage rate information.

PACKAGING

4.5 Gallon (17 L) Pail
47.5 Gallon (180 L) Drum

COLOR

Transparent when fully cured.
Material has a blue tint when applied.

SHELF LIFE

2 years when properly stored

STORAGE

Keep stored in cool, dry environment, and out of direct sunlight

VOC CONTENT

See MasterTop SRS LEED Letter

DESCRIPTION

MasterTop SRS 71TC is a methyl-methacrylate (MMA) top coat resin for use within the MasterTop SRS flooring systems. MasterTop SRS 71TC is a solvent free, 2-component, 100% reactive resin that is designed for roller applied coatings and decorative flake or quartz flooring systems. MasterTop SRS 71TC is a transparent resin that is ideal for use as a topcoat in flooring systems that utilize decorative flake or quartz broadcast. MasterTop SRS 71TC has superior UV resistance, making it an excellent resin for use in exterior or interior applications resulting in a durable, non-chalking surface.

PRODUCT HIGHLIGHTS

- Fully cures in one hour, reducing downtime for a quick return to service
- Transparent finish is ideal for use as a topcoat in decorative flooring systems
- Excellent chemical resistance to withstand exposure to a wide range of harsh chemicals
- Great abrasion resistance providing durable surface that will not ravel or chalk
- NSF Registered for incidental food contact (R2)
- Cures at temperatures down to 24° F (-4° C) to meet a wide range of application and timing requirements

APPLICATIONS

- Used as a topcoat within the following MasterTop SRS flooring systems:
 - MasterTop 1851 SRS CF
 - MasterTop 1853 SRS CQ
 - MasterTop 1841 SRS CF
 - MasterTop 1843 SRS CQ

HOW TO APPLY

Please refer to individual flooring system data sheets for application instructions.

Every MasterTop SRS flooring system is a multiple component system that utilizes a methyl-methacrylate (MMA) resin. It is critical that the instructions listed in the Safety Data Sheet and on the product label for every component of the system be read, understood and followed. MMA resins are flammable liquids in their uncured state. Smoking, open flames or sparks should not be permitted during the handling of the product. Explosion safe ventilation must be used during the application to minimize vapor collection in the installation area and to improve overall air quality for the crew. All foodstuffs must be removed during installation of the flooring system.

TEST DATA

PROPERTY	RESULTS	TEST METHODS
Percentage Reactive Resin	100%	
Percentage Solids	100%	
Water Absorption, (%/24 hours)	0.04	ASTM D570
Tensile Strength	1,050 psi (7.24 MPa)	ASTM D638
Elongation @ Break	34%	ASTM D638
Tensile Modulus	4.4 x 10 ⁵ psi	ASTM D638
Hardness (Shore D)	70	ASTM D2240
Viscosity	230 – 270 cps	ASTM D2393
Electrical Resistivity	10 ¹⁴ vol	ASTM D257
Compressive Strength	6,000 – 8,000 psi (41.67 - 55.16 MPa)	

Please refer to BASF Performance Flooring Chemical Resistance Guide for further information. Test results are averages obtained under laboratory conditions. Reasonable variations can be expected.

FOR BEST PERFORMANCE

- Not for use at application temperatures over 90° F (32° C).
- Not for use in areas exposed to strong solvents (consult BASF Technical Service).
- Install at recommended thickness to ensure proper curing and leveling.
- Topcoat must be back-rolled immediately to ensure uniform finish.
- Protect or remove food items prior to application to avoid any possible contamination.
- Use clean pails when mixing to avoid the possibility of improper curing.
- Proper air flow is critical to curing MMA materials. The use of fans is mandatory where air flow is restricted.
- Apply a bond test every 500 – 1,000 ft² (46.5 - 93 m²) prior to floor installation.
- BASF flooring specialists are available to assist you in the selection of the proper flooring system. Call 1-800-243-6739 for in-house and field technical assistance.
- Make certain the most current versions of product data sheet and SDS are being used; visit www.master-builders-solutions.BASF.us to verify the most current versions.
- Proper application is the responsibility of the user. Field visits by BASF personnel are for the purpose of making technical recommendations only and not for supervising or providing quality control on the jobsite.

HEALTH, SAFETY AND ENVIRONMENTAL

Health, Safety and Environmental Read, understand and follow all Safety Data Sheets and product label information for this product prior to use. The SDS can be obtained by visiting www.master-builders-solutions.basf.us, e-mailing your request to basfbcsst@basf.com or calling 1(800)433-9517. Use only as directed. **For medical emergencies only, call ChemTrec 1(800)424-9300.**

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