



The Chemical Company

Technical Data Guide

9 | 09 67 23
Resinous
Flooring

MasterTop® 1817 SRS PC

Fast-curing, solvent free, methyl-methacrylate based polymer concrete for patching and overlays

FORMERLY DEGADUR® R17™ POLYMER CONCRETE

YIELD

All coverage rates are approximate. Coverage rates will vary with the desired texture and porosity of substrate. Coverage rates are also dependent on the application MasterTop 1817 SRS PC is being used for a patching or overlay application. Please refer to the MasterTop SRS Installation Guide and Mixing Chart for further information.

PACKAGING

MasterTop SRS 17RS Part A / Liquid component: 4.5 gallon (17 L) pail and 54 gallon (204 L) drum
MasterTop SRS 17RS Part B / Powder component: 31 lb (14 kg) bag

COLOR

Concrete gray

SHELF LIFE

One year when properly stored

STORAGE

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

VOC CONTENT

See MasterTop SRS LEED Letter

DESCRIPTION

MasterTop 1817 SRS PC is a methyl-methacrylate (MMA) polymer concrete system designed for a multitude of applications that require a fast-curing, high strength material. MasterTop 1817 SRS PC consists of two components: a liquid methacrylate based resin; and powder component consisting of sand, inert fillers, polymers, pigments and powder hardener. MasterTop 1817 SRS PC is used for thin patches, overlays and grouting, or is filled with coarse aggregate and used for deep patches in slabs. The unique fast cure and durability make the MasterTop 1817 SRS PC suitable for concrete restoration projects, including repairing and rebuilding deteriorated concrete surfaces.

PRODUCT HIGHLIGHTS

- Fully cures in one hour, reducing downtime for a quick return to service
- High strength is ideal for repairing and rebuilding deteriorated concrete surfaces
- Can be installed in a variety of thicknesses, offering design flexibility for numerous applications
- NSF registered for incidental food contact (R2)
- Can be applied at temperatures down to 14° F (-10° C) to meet a wide range of application and timing requirements

APPLICATIONS

- Industrial flooring overlays/patches
- Repair of cracked, spalled and eroded concrete
- Rebuild joints and deteriorated concrete surfaces
- Shimming and high strength grouting

SUBSTRATE

- For repairing, rebuilding or overlaying new or existing concrete surfaces

LOCATION

- Interior flooring applications
- Exterior or low temperature applications should use MasterTop 1817 SRS PC.

HOW TO APPLY

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
Compressive Strength , psi	7,000	ASTM C 39
Coefficient Of thermal Expansion (in/in/° F x 10 ⁻⁶)	18	ASTM C 531
Compressive Modulus Of Elasticity , psi	0.8 x 10 ⁶	ASTM C 469
Tensile Strength , psi	1,000	ASTM D 638
Dielectric Strength , V/mil	350	ASTM D 149
Water Absorption , %/24 hrs	.02	ASTM D 570

FOR BEST PERFORMANCE

- 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 airflow is restricted.
- 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.**

LIMITED WARRANTY NOTICE

Every reasonable effort is made to apply BASF exacting standards both in the manufacture of our products and in the information which we issue concerning these products and their use. We warrant our products to be of good quality and will replace or, at our election, refund the purchase price of any products proved defective. Satisfactory results depend not only upon quality products, but also upon many factors beyond our control. Therefore, except for such replacement or refund, BASF MAKES NO WARRANTY OR GUARANTEE, EXPRESS OR IMPLIED, INCLUDING WARRANTIES OF FITNESS FOR A PARTICULAR PURPOSE OR MERCHANTABILITY, RESPECTING ITS PRODUCTS, and BASF shall have no other liability with respect thereto. Any claim regarding product defect must be received in writing within one (1) year from the date of shipment. No claim will be considered without such written notice or after the specified time interval. User shall determine the suitability of the products for the intended use and assume all risks and liability in connection therewith. Any authorized change in the printed recommendations

concerning the use of our products must bear the signature of the BASF Technical Manager.

This information and all further technical advice are based on BASF's present knowledge and experience. However, BASF assumes no liability for providing such information and advice including the extent to which such information and advice may relate to existing third party intellectual property rights, especially patent rights. In particular, BASF disclaims all CONDITIONS AND WARRANTIES, WHETHER EXPRESS OR IMPLIED, INCLUDING THE IMPLIED WARRANTIES OF FITNESS FOR A PARTICULAR PURPOSE OR MERCHANTABILITY. BASF SHALL NOT BE RESPONSIBLE FOR CONSEQUENTIAL, INDIRECT OR INCIDENTAL DAMAGES (INCLUDING LOSS OF PROFITS) OF ANY KIND. BASF reserves the right to make any changes according to technological progress or further developments. It is the customer's responsibility and obligation to carefully inspect and test any incoming goods. Performance of the product(s) described herein should be verified by testing and carried out only by qualified experts. It is the sole responsibility of the customer to carry out and arrange for any such testing. Reference to trade names used by other companies is neither a recommendation, nor an endorsement of any product and does not imply that similar products could not be used.

FOR PROFESSIONAL USE ONLY. NOT FOR SALE TO OR USE BY THE GENERAL PUBLIC.

BASF Corporation
Constructions Systems

889 Valley Park Drive, Shakopee, MN 55379
www.master-builders-solutions.basf.us

Customer Service 1(800)433.9517
Technical Service 1(800)243.6739

