

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 Master - Top 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.
- Master Builders Solutions 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.com/en-us to verify the most current versions.
- Proper application is the responsibility of the user. Field visits by Master Builders-Solutions 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.com/en-us, e-mailing your request to mbsbscst@mbcc-group.com or calling 1(800)433-9517. Use only as directed.

IN CASE OF EMERGENCY: Call CHEMTEL +1 (800) 255-3924 or if outside the US or Canada, +1 (813) 248-0585.

LIMITED WARRANTY NOTICE

Master Builders Solutions Construction Systems US, LLC (“Master Builders”) warrants this product to be free from manufacturing defects and to meet the technical properties on the current Technical Data Guide, if used as directed within shelf life. Satisfactory results depend not only on quality products but also upon many factors beyond our control. MASTER BUILDERS MAKES NO OTHER WARRANTY OR GUARANTEE, EXPRESS OR IMPLIED, INCLUDING WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE WITH RESPECT TO ITS PRODUCTS. The sole and exclusive remedy of Purchaser for any claim concerning this product, including but not limited to, claims alleging breach of warranty, negligence, strict liability or otherwise, is shipment to purchaser of product equal to the amount of product that fails to meet this warranty or refund of the original purchase price of product that fails to meet this warranty, at the sole option of Master Builders. Any claims concerning this

product must be received in writing within one (1) year from the date of shipment and any claims not presented within that period are waived by Purchaser. MASTER BUILDERS WILL NOT BE RESPONSIBLE FOR ANY SPECIAL, INCIDENTAL, CONSEQUENTIAL (INCLUDING LOST PROFITS) OR PUNITIVE DAMAGES OF ANY KIND.

Purchaser must determine the suitability of the products for the intended use and assumes all risks and liabilities in connection therewith. This information and all further technical advice are based on Master Builders’ present knowledge and experience. However, Master Builders 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, nor shall any legal relationship be created by or arise from the provision of such information and advice. Master Builders reserves the right to make any changes according to technological progress or further developments. The Purchaser of the Product(s) must test the product(s) for suitability for the intended application and purpose before proceeding with a full application of the product(s). Performance of the product described herein should be verified by testing and carried out by qualified experts.

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

