

PRODUCT DATA

9 09 67 23 **Resinous
Flooring**

DEGADUR® R17™ POLYMER CONCRETE

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

Description

Degadur® R17™ is a methyl-methacrylate polymer concrete system designed for a multitude of applications that require a fast-curing, high strength material. Degadur® R17™ consists of two components - a liquid methacrylate based resin and powder component consisting of sand, inert fillers, polymers, pigments and powder hardener. Degadur® R17™ is used for thin patches, overlays and grouting, or filled with coarse aggregate and used for deep patches in slabs. The unique fast cure and outstanding durability make the Degadur® R17™ suitable for concrete restoration projects, including repairing and rebuilding deteriorated concrete surfaces. Degadur® R17™ LM is a low modulus version designed to better withstand temperature fluctuations and freeze/thaw cycles.

Yield

All coverage rates are approximate. Coverage rates will vary with the desired texture and porosity of substrate. Coverage rates are also dependent upon whether the Degadur® R17™ is being used for a patching or overlay application. Please refer to Installation Guide and SRS Degadur® Mixing Chart for further information.

Features

- Fully cures in one hour
- High strength
- Can be installed in a variety of thicknesses
- Low modulus (LM) version available
- NSF registered
- Can be applied at 14° F (-10° C)

Benefits

- Reduction in downtime and rapid return to service
- Ideal to repair and rebuild deteriorated concrete surfaces
- Offers design flexibility for numerous applications
- Designed to withstand freeze/thaw cycles
- Suitable for incidental food contact (R2)
- Can perform installations in cold temperatures

Packaging

Liquid component: 4.5 gallon (17 L) pail and 54 gallon (204 L) drum

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.

Where to Use

APPLICATION

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

LOCATION

- Interior flooring applications
- Exterior or low temperature applications should use Degadur® R17™ LM.

SUBSTRATE

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

Every SRS Degadur flooring system is a multiple component system that utilizes a methyl-methacrylate (MMA) resin. It is critical that the instructions listed in the Material 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.

Health, Safety and Environmental

Read, understand and follow Material Safety Data Sheets and product labels for all components of this flooring system prior to use. The MSDS can be obtained by searching for them on www.BASFBuildingSystems.com, e-mailing your request to dbscst@basf.com or calling 800/433-9517. Use only as directed.

Technical Data

Test Data

PROPERTY	RESULTS	TEST METHODS
Compressive Strength		
Degadur® R17™, psi	7,800	ASTM C 39
Degadur® R17™ LM, psi	7,000	
Coefficient of Thermal Expansion		
Degadur® R17™, (in/in/° F x 10 ⁻⁶)	18	ASTM C 531
Degadur® R17™ LM, (in/in/° F x 10 ⁻⁶)	18	
Compressive Modulus of Elasticity		
Degadur® R17™, psi	1.2 x 10 ⁶	ASTM C 469
Degadur® R17™ LM, psi	0.8 x 10 ⁶	
Tensile Strength		
Degadur® R17™, psi	1,200	ASTM D 638
Degadur® R17™ LM, psi	1,000	
Dielectric Strength		
Degadur® R17™, V/mil	350	ASTM D 149
Degadur® R17™ LM, V/mil	350	
Water Absorption		
Degadur® R17™, %/24 hrs	.02	ASTM D 570
Degadur® R17™ LM, %/24 hrs	.02	

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Customer Service 800-433-9517

Technical Service 800-243-6739

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