

90

PRODUCT DATA

Sections

03 03 31 30
Joint & Crack Repair & Maintenance



Technical Data Sheet

THICK-SIL™ 90

EPOXY THICKENING AGENT

Description

Thick-Sil™ 90 is an essential thickening agent designed to enhance the workability of epoxy repair material. Its ability to increase viscosity makes it ideal for filling cracks, joints, and other minor concrete repairs without sagging or dripping. The smooth consistency achieved with proper mixing ensures easy application and optimal adhesion. Additionally, its compatibility with epoxy pigments allows for seamless color blending, providing a professional finish without the need for grinding, sanding, or delays caused by curing time.

Appearance/Color

White Powder

Odor

None

Melting Point

125-135 C

Specific Gravity

0.96 g/cm

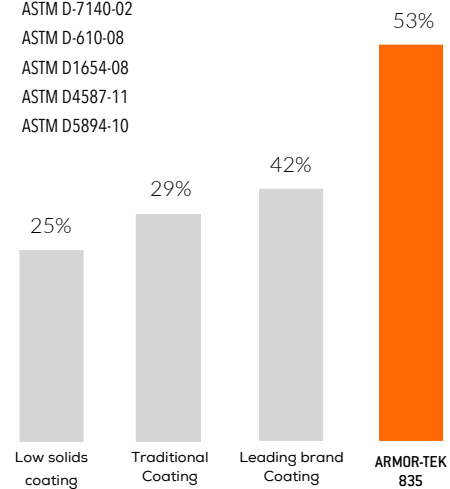
VOC Level

0 g/L

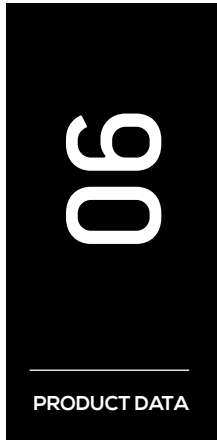
WEATHERING / ACCELERATED EXPOSURE

Meets the requirements of:

ASTM G85-11
ASTM D-7140-02
ASTM D-610-08
ASTM D1654-08
ASTM D4587-11
ASTM D5894-10



Percentage Improvement vs. Control



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APPLICATION

INSTRUCTIONS FOR USE:

1. Mix two-component 100% solids epoxy Part A with Part B according to the epoxy product label instructions.
2. Once epoxy components are combined, mix Thick-Sil 90 into a 100% solids epoxy mixture at a ratio of 3 to 1 (by volume).
3. Gradually add Thick-Sil™ 90 in small amounts while continuously mixing. Continue until the material reaches a consistency that allows for shaping.
4. Thoroughly blend using a small helix mixer and drill for optimal blending.

APPLICATION: Once the proper thickness is achieved, apply the mixture using a putty knife to fill joints, cracks, and minor concrete repairs.

Sanding: After full cure (8-10 hours), the material can be sanded to a smooth finish using 60-120 grit sandpaper or drywall screen.

Epoxy Coating: After settling for 20-30 minutes, Thick-Sil™ 90 can be covered with epoxy.

Color Pigment: For additional hiding, mix 0.5-1 oz of epoxy color pigment per gallon of mixed material.

MIXING RECOMMENDATIONS:

Mix in smaller batches (less than 1 gallon of mixed material) to prevent excessive heat buildup that results in less working time and accelerated curing.

CAUTION / FUMED SILICA

Fiber dust should be considered a nuisance. Avoid breathing dust and control dust accumulations. Avoid the use of air jets if possible to prevent fibers from becoming airborne. Wash hands and skin thoroughly after handling. Consult the material safety data sheet for further information.

PRECAUTIONS/SAFETY

Refer to the SDS sheet before use. Safety precautions must be strictly followed during storage, handling, and use. Personal Protective Equipment (PPE) should be worn at all times. PPE will include (but is not limited to): Safety glasses and high-quality nitrile gloves.

SHELF LIFE

One (1) to two (2) years when stored indoors at 55°F – 85°F (13°C – 29°C) in a dry location with humidity below 65%. Do not freeze materials.

CONTACT

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Customer Service and Technical Support

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WARRANTY

KreteTek Industries Inc. warrants our products are manufactured to strict quality assurance specifications and that the information supplied by us is accurate to the best of our knowledge. Such information supplied about our products is not a representation or a warranty. It is supplied on the condition that you shall make your own tests to determine the suitability of our product for your particular purpose. Any use or application other than recommended herein is the sole responsibility of the user. Listed physical properties are typical and should not be construed as specifications. No warranty is made, expressed or implied, regarding such other information, the data on which it is based or the results you will obtain from its use. We shall have no liability for incidental or consequential damages, direct or indirect. No representative is authorized to make any representation or warranty or assume any other liability on our behalf with any sale of our products.

Acceptance of delivery of our product means that you have accepted the terms of this warranty whether or not purchase orders or other documents state terms that vary from this warranty. No representative is authorized to make any representation or warranty or assume any other liability on our behalf with any sales of our products. Our products contain chemicals that may cause serious physical injury. Before using, read the Safety Data Sheet and follow the precautions to prevent bodily harm.

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 KreteTek Industries Inc. present knowledge and experience. However, KreteTek Industries Inc. 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. KreteTek Industries Inc. 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.

Last revised 3/25