

Category: Tiling

Keywords: Glass Mosaic, Tile, Thin Set, Grout

Glass mosaics bring a beautiful look to any surface. Glass Mosaics come in different types, sizes, colors and patterns and are used in residential and commercial projects on backsplashes above sink, bathrooms, showers, and fireplaces. There are 3 different types of glass tile; cast glass tile, fused glass tile, and low-temperature-coated glass tile as per ANSI A137.2 standard. Typically glass mosaics are larger than $\frac{3}{4}$ "x $\frac{3}{4}$ " and smaller than 3"x3". Many questions have come up on which setting materials to use for a long lasting glass mosaic installation. In this technical bulletin will help you to select the appropriate Merkrete products for setting glass mosaics.

Considerations to take before installing glass mosaics:

Substrates

All substrates should be plumb and true, substrate deviation should not exceed 1/8" in 10' or 1/16 in 3'. Substrate preparation should be completed following ANSI A108 AN-2 "General Requirements for Sub-surfaces. Substrate should be dry, clean and free from oil, grease, wax, paint, old adhesives, sealers and curing compounds. Any contaminates which inhibit proper bond must be removed.

Recommendation for setting:

Merkrete Integra -

Is a non-abrasive all-in-one adhesive and grout for glass mosaics installations on walls and floors. Integra was developed especially for the installation of mosaics and glass tile of all shapes and sizes with no concerns about thin set color bleed through because the adhesive and the grout are the same color. Merkrete Integra is available in 8 different colors. Integra meets or exceeds industry requirements ANSI A118.4 for Latex Portland Cement Mortar. Follow mixing instructions on Integra data sheet, for most updated data sheet please visit www.merkrete.com.

Merkrete 735 Premium Flex;

735 Premium Flex is a superior grade flexible thin set that exceeds ANSI A118.4 and A118.1 standards, offering flexibility, higher strength, plus extended adjust-ability and open times. Follow mixing instructions on 735 Premium Flex data sheet, for most updated data sheet please visit www.merkrete.com.

Merkrete 820 Merlite;

820 Merlite is a superior grade light weight flexible thin set mortar with excellent non-slump and non-sag performance when used for installing ceramic tile and stone on walls or floors. 820 Merlite contributes to LEED projects and exceeds ANSI A118.4 and A118.11 standards.

Corporate Office

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Recommendation for grouting:

Merkrete Integra -

Is a non-abrasive all-in-one adhesive and grout for glass mosaics installations on walls and floors. Integra was developed especially for the installation of mosaics and glass tile of all shapes and sizes with no concerns about thin set color bleed through because the adhesive and the grout are the same color. Merkrete Integra is available in 8 different colors. Integra meets or exceeds industry requirements ANSI A118.4 for Latex Portland Cement Mortar. Follow mixing instructions on Integra data sheet, for most updated data sheet please visit www.merkrete.com.

Merkrete ProEpoxy; (option to upgrade from cement grout to epoxy base)

Pro Epoxy is a 3-component, 100% solids epoxy compound developed for sanitary applications. Pro Epoxy can be used for grouting mosaics on horizontal and vertical surfaces. It produces a high strength grout that is stain resistant, impermeable, and shock resistant. Follow mixing instructions on Merkrete ProEpoxy data sheet, for most updated data sheet please visit www.merkrete.com.

The installation of ceramic tile must be done following installation standards published in the current (TCA) Tile Council of America handbook, ANSI (American National Standards) 108 specification and our data sheets. Movement (Expansion) joints should be provided to comply with TCA method EJ 171. Follow all directions on Merkrete Data Sheets and containers. For the most current information, visit our website www.merkrete.com or call our Technical Service group at 800-226-2424.

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