



Davco

EXCELLENCE IN
TILING SYSTEMS

DESCRIPTION

Glass Mosaic Additive is designed to be used in conjunction with your choice of Davco Sanitized® Colorgrout to adhere and grout most mosaics to various substrates in one step. Can be used with most types of mosaics including glass, ceramic, porcelain and stone.

When used with Sanitized® Colorgrout and tested to AS4992 it will produce an adhesive classed **C2S1**.

USES

- When Glass Mosaic Additive is mixed with Sanitized® Colorgrout it can be used as an adhesive and grout on both walls and floors, in interior and exterior applications.
- Can be used in pools, ponds and other immersed areas
- For mosaics with a grout joint (width and depth) of 3mm or less, Glass Mosaic Additive used with Sanitized® Colorgrout allows for adhering and grouting in one step. For mosaics with grout joints greater than 3mm, the tiles need to be adhered, and then grouted after 8 hours curing. Additional curing time is required when tiling over waterproofing membranes.
- As an adhesive it can be used to fix mosaic tiles onto concrete, cement renders/screeds, blockwork, rendered brickwork and particular waterproofing membranes.
- Can also be used for fixing mosaic wall tiles onto flexible building boards such as fibre cement sheet and plasterboard.

FEATURES AND BENEFITS

- Glass Mosaic Additive, when combined with Davco Sanitized® Colorgrout can be used as an adhesive and grout requiring the tiler to carry less products.
- Allows for adhering and grouting of tiles in the one process – saving time in installation.
- Wide range of colour choice – Glass Mosaic Additive can be used with any of the colours on the Sanitized® Colorgrout range providing a wide variety of colour choice for the consumer. This is particularly appealing for tiling glass mosaics.
- Glass Mosaic Additive, when combined with Davco Sanitized® Colorgrout gives rapid strength development. This saves time, as film faced mosaics can have the film removed after 8 - 10 hours at 20°C, without disturbing the tiles. This allows cleaning and finishing off to take place sooner. When tiling over waterproofing membranes, the cure time will be longer.

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Under these conditions, allow the adhesive to cure for 24 hours before removing the film.

- Good pot life – this gives the tiler more working time, and hence allows for larger mixes to be made up, saving time on the job.
- Long open time – allows the tiler more time to bed tiles into the adhesive. This will be very beneficial when laying mosaics in external installations.
- Easy to clean off the face of the tiles allowing the job to be completed in a timely manner.
- Good water resistance allows glass mosaic additive to be used in swimming pool installations and other wet areas after curing.
- Non slump – allows for full sheets of mosaics to be fixed without slumping or sliding down the wall.

SURFACE PREPARATION

For Adhesive Applications

- All surfaces must be structurally sound, dry, clean and free from movement, oil, grease, wax, curing compounds and any other loose or contaminating materials.
- All wall building boards must be flat and firmly fixed according to the manufacturer's instructions and relevant Australian Standards(s).
- Painted surfaces must be scabbled/abraded to expose at least 80% of the original substrate.
- Newly rendered/screeded surfaces must be allowed to cure for at least 7 days and have a wood float finish.
- Old rendered/screeded surfaces must be thoroughly cleaned prior to tiling and have a wood float finish.
- New concrete must be allowed to cure for 6 weeks and should have a wood float finish.
- Steel trowel finished concrete must be acid etched or mechanically abraded prior to tiling.
- Old concrete surfaces must be thoroughly cleaned prior to tiling.
- Make sure all release agents are removed from concrete surfaces, especially on tilt-up slabs.
- Porous/dusty surfaces must initially be primed using Davco Ultraprime.
- Certain non-absorbent/contaminated surfaces can easily be prepared for tiling via the use of Davco Ultrabond.

Movement joints should be provided as follows:

1. Over movement joints in the background.
2. At a junction between different background materials.
3. At fixtures interrupting the tile surface e.g. columns.
4. At internal vertical corners.
5. Around the perimeter of the tiling system.
6. At a maximum of 5 metre intervals in a grid pattern.



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Note: Movement joints should go right through the tile adhesive bed to the background and be kept free from dirt and adhesive droppings. Movement joints must not be less than 6mm nor greater than 10mm wide. All movement joints that are 6mm wide can be filled with Davco *Sanitized*[®] Colorcaulk. For wider applications use Davco Davsil or Sodaflex 603.

For Grout Applications

- Before commencing grouting, ensure the adhesive has set firmly. This usually requires 24 hours with the majority of tile adhesives. If *Sanitized*[®] Colorgrout and Glass Mosaic Additive has been used as the adhesive it will allow for grouting in 8 hours at 20°C.
- Remove any spacer lugs, rake-out any excess adhesive and any loose or foreign material from the grout joints. If *Sanitized*[®] Colorgrout and Glass Mosaic Additive has been used as the adhesive, simply ensure there is no loose material in the joint, and grouting can begin.
- In general, ensure the grout joints are clean.

MIXING

Mix or shake the container of Glass Mosaic Additive before using.

Adhesive Applications (and grouting in one step)

- The mixing ratio is 15kg of *Sanitized*[®] Colorgrout to approximately 3.75 – 4.125 litres of Glass Mosaic Additive. This will vary for different colours. This equals 250 – 275 mL per kg of grout.

Grout Applications

- Dilute the 1 part Glass Mosaic Additive with equal parts clean water (1:1 ratio).
- The mixing ratio is 20kg of *Sanitized*[®] Colorgrout to approximately 3.4 – 3.75 litres of diluted Glass Mosaic Additive. This will vary for different colours. This equals 225 – 250 mL per kg of grout.

Mixing

- Place the Glass Mosaic additive (or solution) into a bucket then slowly add the *Sanitized*[®] Colorgrout powder mixing constantly
- Mix to a lump free thick creamy consistency for adhesive or a smooth creamy consistency for use only as a grout.
- Allow the mixture to stand for 5 minutes, remix, then use.

APPLICATION

For Adhesive Applications

- Spread the adhesive onto the substrate using a 6mm x 6mm notched trowel for the installation of mosaic tiles

- Can spread up to 1m² of adhesive at any one time on properly primed surfaces.
- Press tiles firmly into position before the adhesive skins, ensuring that all the tiles are well bedded and minimal voids occur under the tiles.
- Once the tiles have been laid, they must not be disturbed or trafficked upon for 8 -10 hours at 20°C.

For Grout Applications

- Using a rubber float or squeegee work the grout into the joints in a diagonal motion making sure that the grout does not just sit on top of the joint i.e. the grout does not bridge the joint.
- Remove excess grout from the surface of the tiles with the rubber float or squeegee using a diagonal motion.
- Use a damp sponge to remove any remaining grout from the tile face. The sponge should not be too wet. If cleaning is carried out too early (when the grout is still plastic) you may pull the grout out of the joints. Regularly rinse the sponge out to assist in cleaning. Ensure only a minimum amount of water is used for clean up, otherwise you may cause efflorescence. Add a cup of methylated spirits to the clean off water to aid in final grout removal from the tile face.
- Be careful not to overwork the joints, as this can cause efflorescence or shade variation.
- Finally remove any excess moisture from the grout joints, to avoid discolouration or colour variation problems.
- Allow the grout to cure for 24 hours before cleaning the grout haze with a soft dry cloth. Hard to remove haze can be cleaned with Davco *Sanitized*[®] Tile & Grout Cleaner.

For Adhesive and Grouting Applications (in one step)

- Follow the adhesive application instructions.
- Ensure the mosaics are well bedded into the adhesive, and push the mosaics to ensure the adhesive wicks up into the grout joint. If necessary, finish off the joints as per the grouting application instructions, if the joint requires additional filling.
- Then follow the grout clean off and finishing instructions.

PRECAUTIONS

- Do not apply Glass Mosaic Additive in temperatures above 35°C or below 5°C.
- Ensure the container of Glass Mosaic Additive is mixed or shaken before using.
- Do not allow the adhesive to skin prior to laying the tiles. If the adhesive skins, remove and dispose of it, then re-apply fresh adhesive.



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- When using Glass Mosaic Additive in Swimming Pool Applications, allow the product to fully cure for 7 days prior to filling.
- When tiling using Glass Mosaics, care needs to be taken that the mosaic is suitable for use in permanently immersed installations. In some cases, the adhesive used to bond the mesh to the tile back is not suitable for water immersion. If unsure as to the suitability, consult your tile supplier.
- *Sanitized*[®] Colorgrout with Glass Mosaic Additive is not suitable for use in harsh and demanding environments or where there are hygienic requirements i.e. commercial kitchens, public toilets, food processing plants etc. Use Davco Grout-Cure for these types of installations. Refer to the Grout-Cure datasheet for full instructions.
- Cleaning or discolouration problems can occur with either textured, porous or natural stone tiles.
- As Glass Mosaic Additive is a polymer based product, when used with *Sanitized*[®] Colorgrout, it may slightly darken the colour of the grout. This needs to be taken into account when making colour choices from the colour chart.
- Due to *Sanitized*[®] Colorgrout containing sand, scratching may occur with polished or soft glazed tiles. *Sanitized*[®] Porcelain Grout can be used in this instance.
- Do not apply Glass Mosaic Additive combined with any Davco grout in movement joints, use Davco *Sanitized*[®] Colorcaulk or Davsil.
- All products are guaranteed when installed in accordance with the relevant Australian Standard, the current technical datasheets, specification and instructions for use. This guarantee does not cover issues beyond the control of the manufacturer such as efflorescence, shade variations, variable application techniques and extreme environmental conditions.
- For other uses or the use of Glass Mosaic Additive in situations not mentioned in these instructions, contact your ParexDavco (Australia) Pty Ltd state office.
- For a full MSDS on this product, contact your ParexDavco (Australia) Pty Ltd state office.

COVERAGE

For Adhesive and Grouting Applications (in one step)

Coverage will vary depending on the colour chosen of the *Sanitized*[®] Colorgrout. As a guide 15kg of *Sanitized*[®] Colorgrout mixed with 3.75L of Glass Mosaic Additive will cover approx 4.5 – 5.25m². Coverage rates will also vary depending on site conditions.

This equates to 2kg of grout mixed with 0.5L of Glass mosaic additive covering approximately 0.6 – 0.7m²

For Grouting Applications

As a mixing guide, 1 litre of diluted Glass Mosaic Additive (500 mL diluted with 500mL clean water) is mixed with 3.75kg of *Sanitized*[®] Colorgrout.

CLEAN UP

- Remove any excess adhesive from the face of the tiles with a damp cloth, while the adhesive is still wet.
- Clean tools and equipment with water before the adhesive/grout dries.

PACKAGING

Glass Mosaic Additive is available in 1L and 5L containers.

SHELF LIFE

12 months in unopened containers, stored in an elevated, cool dry position.

TECHNICAL DATA

Properties:

Appearance:	White Liquid
Specific Gravity:	1.01
Open Time at 20°C*:	15-20 minutes
Adjustment Time at 20°C*:	20 – 25 mins
Pot Life at 20°C*:	45-60 mins
Drying Time at 20°C*:	8-10 hours

* When mixed with *Sanitized*[®] Colorgrout

DISCLAIMER

The use of this product is beyond the manufacturer's control, and liability is restricted to the replacement of material proven faulty. The manufacturer is not responsible for any loss or damage arising from incorrect usage. All workmanship must be carried out in accordance with AS 3958.1 - 2007.

The information contained herein is to the best of our knowledge true and accurate. No warranty is implied or given as to its completeness or accuracy in describing the performance or suitability of the product for a particular application. Users are asked to check that the literature in their possession is the latest issue.

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