

FILLGEL PLUS

1	DESCRIPTION
	<p>High performance epoxy grout for Bisazza Glass Mosaics, washable with water.</p> <p>Fillgel Plus is an half-transparent bi-compound epoxy paste, made up of epoxy resins, silica compounds and special additives. It has a high wear resistance, and it is easy to apply and to clean.</p> <p>Once dry and hardened, FillgelPLUS has the following characteristics:</p> <ul style="list-style-type: none"> - Final surface smooth and compact - Colors uniform and resistant to variation - Resistant to water - High-hardness, and resistant to high traffic - Free from any cracks and leaks - Excellent adherence to the mosaic tesserae <p>The accurate qualitative and granulometry selection of the compounds, allows one to obtain a surface with a particularly shiny and reflective finish.</p>

2	APPLICATIONS
	<p>To grout Bisazza Mosaics and Glass Tile Slabs on walls and floors. Suitable for interior and exterior applications. Suitable for wet and permanent wet areas Particularly suitable for thermal or salted water pools and in areas where a total hygiene is required.</p>

3	TECHNICAL CHARACTERISTICS	
	Colors	Comp. A : colored paste (see color board) Comp. B : to be mixed at the use Packets for a total of 3 kg.
	Bond nature	Epoxy-polyaminoamidic
	Specific catalyzed weight	1,75 ± 0,2 kg/dm3
	Catalysis ratio	2:1 in weight
	Temperature of application	From + 15 °C to +30 °C
	Starting cleaning	Within 30 minutes /30 °C Within 50 minutes /20 °C Within 2 hours /15 °C
	Washability with water	Excellent
	Consumption	1,5 kg/m2 for all mosaic formats except for 50x50 mm. for which 0,5 kg/m2 is requested.
	Hardening time :	
	Walking time	After 24 hours, with lower temperatures time is longer*
	Ready for use	After 7 days, with lower temperatures time is longer*
	Classification according to EN 13888	RG Class

NOTE : The above data were taken at a temperature of +23 °C with 50% humidity. Higher temperatures reduce the above times
 *in the meantime avoid water stagnation.

4	INSTRUCTIONS FOR USE
	<p>Preparation of the surface Make sure that the joints are clean; on the contrary remove those substances preventing the grout adhesion such as oils, grease, cement powder, residuals of cement based adhesives etc. For a correct sealing of the mosaic with FILLGELPLUS, the joints must present half of their thickness empty . On the contrary it will be necessary to remove the adhesive in excess. Start grouting with FILLGELPLUS only when the adhesive used for fixing is completely dry. Never wet the joints before application of the grout FILLGELPLUS.</p> <p>Preparation of the product Pour component B in the A component container. Mix for about 1 minute using an electric mixer at low turning number (400-600 rpm), equipped with helicoidally beater to obtain an homogeneous paste. Scratch with a trowel the walls and bottom of the container in order to avoid traces of products not mixed. Complete the process mixing for further 30". Proceed with the application of the grout.</p> <p>Application Spread FILLGELPLUS by using a rubber trowel, filling the joints and checking that the bubble of air are completely eliminated. If necessary repeat the operation twice. Remove immediately the excess of product keeping the trowel almost perpendicular respect to the surface and diagonal respect to the joints, then proceed with the cleaning operations.</p> <p>Cleaning Cleaning must start immediately after the grouting and within 50 minutes (since the mixing of the two compounds) at 23°C. Higher temperatures reduce the time for the cleaning operations. Emulsify the excess of grout with Bisazza Scrub soaked with water and keep it clean with frequent rinsing. For a better execution of this operation we recommend the use of a trowel with "velcro" stripes, with a rotating motion and with a gentle pressing avoiding to empty the joints. Remove the emulsion with Bisazza Sponge moistened with water and kept clean with frequent rinsing. Change the scrub and the sponge when they look oily or sticky. Avoid to allow the cleaning liquid to penetrate in the joints. Keep clean the tools with clean water. After few hour, remove possible halos with Bisazza scrub and water or Shine. Any other over grouting can be made when the surface is totally dry.</p>
5	STORAGE
	<p>24 months in a dry and fresh area. The expiry date is printed on the packet.</p>
6	REMARKS
	<ul style="list-style-type: none"> - Avoid the use on surfaces subject to permanent contact with oleic acid. - Respect the split and/or expansion joints sealing them with a specific product. - FILLGELPLUS does not waterproof - Never add to FILLGELPLUS water or any solvent in order to avoid compromising the performance of the product. - Mix homogenously the two compound (A+B) to avoid altering the performance of the product - Do not use portions of the product - When used on external surfaces light colors tend to yellow. - Slight shade variations between different batches may occur - Working time varies according to environmental conditions and substrate - Do not use the product when the substrate temperature is below +12°C or more than +30°C - Carefully respect the mixing ration 2:1 in weight - Wait at least 7 days (at 23°C) from conclusion of fixing works before a contact of the surface with water - Do not cover the grouted surfaces unless at least 4 days are passed - In case of applications on heated substrates, the instructions released by the supplier of the heating system have to be followed
4	SAFETY WARNINGS
	<ul style="list-style-type: none"> - Product for professional use only, keep out of the reach of children

- Irritant for the eyes, respiratory tracts and skin
- May cause irritation in contact with the skin
- In the event of contact with eyes, wash immediately with plenty of water and consult a doctor.
- Use protective clothing, gloves and goggles
- Use only in well ventilated areas

Read the instructions of the pack and consult the safety data sheet before using.

Safety information is available on a separate document.

Above indications and recommendations are the result of Bisazza long experience, they have to be however considered merely indicatives. It is recommended to verify the suitability of the product before its use. The user undertakes any responsibility rising from its use.

Information about the product are given basing on our experience, the user however is recommended to test priory the product to verify its suitability. For further technical information contact Bisazza Technical Department .