

## FILLGEL PLUS UVR

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, it's easy to apply and to clean with UV resistance.</p> <p>Once dry and hardened, FILLGEL PLUS UVR has the following characteristics:</p> <ul style="list-style-type: none"> <li>- Final surface smooth and compact</li> <li>- Colors uniform and resistant to variation</li> <li>- UV resistance</li> <li>- Resistant to water</li> <li>- High-hardness, and resistant to high traffic</li> <li>- Free from any cracks and leaks</li> <li>- Excellent adherence to the mosaic tesserae</li> </ul> <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 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, 05 ± 0,1 kg/dm <sup>3</sup>
	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
	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

\*in the meantime avoid water stagnation.

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

3.a AVERAGE CONSUMPTION OF FILLGEL PLUS UVR (Kg/mq)	
20x20 mm	1,45
10x10 mm	1,45
BRICKS 2X5	1,25
VARIATIONS	1
VARIATIONS - LINE	1,3
OPERA 15	2,3
OPERA 25*	1,6
5X5*	1
OPUS ROMANO 12	1,2
Decorations in artistic technique 10x10 mm	1,0 - 1,45
Decorations in artistic technique 20x20 mm	1,45

\* 5mm notched trowel

The calculations above are based on a professional installation using the correct Bisazza fixing tools and guides.

4 INSTRUCTIONS FOR USE	
	<p><b>Preparation of the surface</b>                      Make sure that the joints are clean and free from any dust or debris; failure to do so will prevent the grout adhesion ie. oils, grease, cement powder, residuals of cement based adhesives etc.                      For a correct sealing of the mosaic with FILLGEL PLUS UVR, the joints must present half of their thickness empty. (Note: if adhesive is above guide indicated remove it prior to grouting). Start grouting with FILLGEL PLUS UVR only when the adhesive used for fixing is completely dry. Never wet the joints before application of the grout FILLGEL PLUS UVR.</p> <p><b>Preparation of the product</b>                      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><b>Application</b>                      Spread FILLGEL PLUS UVR 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><b>Cleaning</b>                      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.                      Any other over grouting can be made when the surface is totally dry.</p>

5 STORAGE	
	In dry and cool area, expiry date is printed on the packet.

6	REMARKS
	<ul style="list-style-type: none"> <li>- Avoid the use on surfaces subject to permanent contact with oleic acid.</li> <li>- Respect the split and/or expansion joints sealing them with a specific product.</li> <li>- FILLGEL PLUS UVR is not waterproof</li> <li>- Never add to water or any solvent it will compromise the performance of the product.</li> <li>- Mix homogenously the two compound (A+B) to avoid altering the performance of the product</li> <li>- Do not use portions of the product</li> <li>- Slight shade variations between different batches may occur</li> <li>- Working time varies according to environmental conditions and substrate</li> <li>- Do not use the product when the substrate temperature is below +12°C or more than +30°C</li> <li>- Carefully respect the mixing ration 2:1 in weight</li> <li>- Wait at least 7 days (at 23°C) from conclusion of fixing works before a contact of the surface with water</li> <li>- Do not cover the grouted surfaces unless at least 4 days are passed</li> <li>- In case of applications on heated substrates, the instructions released by the supplier of the heating system have to be followed</li> </ul>

4	SAFETY WARNINGS
	<ul style="list-style-type: none"> <li>- Product for professional use only, keep out of the reach of children</li> <li>- Irritant for the eyes, respiratory tracts and skin</li> <li>- May cause irritation in contact with the skin</li> <li>- In the event of contact with eyes, wash immediately with plenty of water and consult a doctor.</li> <li>- Use protective clothing, gloves and goggles</li> <li>- Use only in well ventilated areas</li> </ul> <p>Read the instructions of the pack and consult the safety data sheet before using.</p> <p>Safety information is available on a separate document.</p> <p>Above indications and recommendations are the result of Bisazza long experience, they have to be however considered as merely indications. It is recommended to verify the suitability of the product before its use. The user undertakes any responsibility rising from its use.</p>

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 .

ONLY FOR PROFESSIONAL USE