

Dry mixture for making and repairs of terrazzo bush-hammered plasters

1. Product characteristics

Dry mixture with hydraulic binder for making and repairs of terrazzo bush hammered plasters (artificial stone). It is based on Portland cement, the appropriate types and sizes of aggregates, additives and admixtures. Meets the requirements of EN 998-1.

- applied manually by spreading
- suitable for both interior and exterior
- perfect mechanical properties
- good workability
- non-flammable

2. Use

BETOSAN SUK is used especially for making terrazzo bush hammered plasters. It is applied on bearing substrate in a layer of at least 12 mm thickness. For its high abrasion resistance, water resistance, perfect mechanical properties and aesthetically colorful appearance, the terrazzo plaster is suitable for making socles, stair parts, fence retaining walls, etc. It can be also used for repairs and completion damaged historic plaster in the interior and exterior.

3. Physical and mechanical parameters

Requirements / results according to EN 998-1

Properties	Declared value or class
Reaction to fire	class A1
Water absorption	class Wc 0
Water vapour permeability μ	< 25
Adhesion (N/mm ²)	> 1,0
Compressive strength	class CS IV

Physical and mechanical parameters

Color	see table below
Maximum aggregate grading (mm)	4.0 (r) / 8.0 (c)
Tensile bending strength (MPa)	> 8.0
Compressive strength (MPa)	> 45.0

The mixture is supplied in six color combinations

Color option designation	Cement color	Aggregate color
B01GC	grey	black
B01WC	white	black
W01GC	grey	white
W01WC	white	white
BW01GC	grey	black + white
BW01WC	white	black + white

4. Test certificates

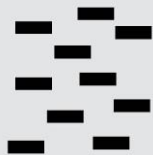
The product is certified according to Act no. 22/1997 Coll. and the Regulation (EU) no. 305/2011 (CPR).

Continuous independent control of production quality ensures the AZL 1687 LABBET®.

Supervision of quality management system, relation to the environment system and occupational health and safety system performs the certification body no. 3029.

5. Instruction for preparation and application

Base. Terrazzo surface must be always applied on a bearing base (cement plaster, concrete, brick masonry, concrete blocks, etc.). In case that **BETOSAN SUK** isn't applied on a layer of fresh cement base plaster, it is suitable to apply **DENSOCRETE 111** adhesive bridge on a roughened base before applying the terrazzo plaster.



If the base is smooth (nonabsorbent stone etc.) its is recommended to anchor the layer of terrazzo plaster with an epoxy adhesive bridge (see specific **BETOSAN** technological procedure).

Mix preparation. The mixture is single-component mixed with water only. 25 kg of the mixture (1 bag) is mixed with 3.25 to 3.75 l of water.

Neither temperature of base nor temperature of ambient air shall be below + 5°C and above + 30°C.

Workability of the product is 50 - 60 minutes at 20°C.

Application: The layer of terrazzo plaster is applied in a thickness of 12 – 15 mm on a prepared base. Most suitable is to apply the terrazzo layer by „fresh on fresh“ system, i.e. right after applying the **DENSOCRETE 111** adhesive bridge, not later than 20 minutes after adhesive bridge application. All the joints made in the base must be shown in the layer of terrazzo plaster as well. The joints must be cut within 12 hours after terrazzo plaster application. For further information contact us for a specific technological procedure.

Surface treatment. The spread layer of **BETOSAN SUK** terrazzo plaster must be right after hardening protected against extremely fast desiccation, especially direct sunlight, wind and draft. Intensive treatment shall be carried for at least 3 days after the application. Optimal treatment means to cover the surface with permanently moistened geotextiles. Especially uneven desiccation should be prevented, e.g. due to direct sunlight.

Bush hammering: To avoid breaking out of the grain, especially small size aggregates, the bush hammering should be performed at least 5 days after the spreading. The bush hammering is best done mechanically, it is desirable to use a needle gun. The surface can be both wet and dry sand blasted.

6. Specific consumption

Specific consumption of the dry mixture amounts to 1.9 kg/dm² at 1 mm of applied layer thickness.

7. Packing and storage

The product is supplied in 25 kg PE-lined paper bags. The product must be efficiently protected against moisture during transportation and storage.

Shelf life in undamaged packing is 6 months.

After the expiration of min. shelf life, which is stated on the packaging, ingredients are not fully effective at reducing chromium VI below 2 ppm.

8. Health protection at work

Handling **BETOSAN SUK** dry mixture does not require any extraordinary hygienic precautions. The product contains alkalis and therefore any contamination of mainly eyes or mucous membrane must be prevented. Health and labor safety rules applicable to work with cement or lime mortars are to be adhered to.

Issued MSDS meets the requirements of EC-Regulation 1907/2006, Article 31.

Because the product meets the criteria for classification as hazardous, it is necessary to provide the recipient or carriers with MSDS. In countries where regulation REACH (para. 33.1): EU regulation on chemicals and their safe use (REACH: EC 1907/2006) is valid, professional users and distributors must be provided with following information automatically and without request:

This product is subject to Regulation (EC) no. 1907/2006 (REACH). It does not contain any substances that could be released from product under normal or reasonably foreseeable conditions of use. Therefore, there are no registration requirements for substances in articles within the meaning of. Article 7.1 of the Regulation. Based on our current knowledge, this product does not contain SVHC (substances of very high concern) from candidate list published by the European Chemicals Agency in concentrations above 0.1% (w / w).

9. Waste disposal

During disposal of contaminated packages or clearing debris from product, it is necessary to follow the Act no. 185/2001 Coll. on waste, as amended.

10. Important notice

All information mentioned above, especially advice for processing and application of our products, is based on our knowledge from the development of chemical products and on years of experience with applications in practice at standard conditions, and proper storage and use. Due to the differing conditions during processing, high count of products, varying nature and modifications of base and other external influences, the procedure based on the information provided or on other written or oral recommendations, may not always ensure satisfactory working results. BETOSAN s.r.o. assumes no liability for provided advice or recommendation. The applicator must prove, that he submitted complete information on time and in writing which is necessary for a proper detailed assessment by BETOSAN s.r.o. The applicator must test the suitability of the products for the intended application. Proprietary rights of third parties, above all, must be taken into account. All received are orders subject to our current "General sales and delivery conditions ". Please always make sure that you follow the most recent issue of the Technical Data Sheet. It is available, along with other information, at our Technical Department or at www.betosan.cz

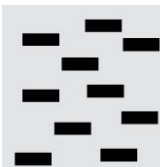


11. CE marking

CE	
BETOSAN s.r.o. Na Dolinách 28, 147 00 Praha 4	
14	
EN 998-1:2017	
8-20/072013	
BETOSAN SUK mixture for bush-hammered plasters (colored mortar for external plasters)	
Reaction to fire	class A1
Water absorption	class Wc 0
Watervapour permeability μ	< 25
Adhesion	> 1,0 N/mm ²
Thermal conductivity	NPD
Durability	NPD
Dangerous substances	meets 5.3.4
Compressive strength	class CS IV

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8

SPECIAL MORTAR MATERIALS

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