

## PROFILL TSM

*Jointing material on trass basis*

### 1. Product characteristics

Trass based material for jointing of brick, stone or mixed masonry, tiles and stone paving.

- suitable for both interior and exterior, permanently water and frost resistant
- mixed with water only
- minimizes the formation of efflorescence
- suitable even for wider cracks
- hardens without cracking
- breathes actively
- alkali resistant
- meets the requirements of EN 998-1

### 2. Use

**PROFILL TSM** is a single-component powdered refined mixture based on trass, fine fillers and modifying admixtures that provides perfect workability for joints filling. It is intended especially for jointing of historic masonry, ceramic tiles, boards, marble and stone on vertical and horizontal surfaces.

### 3. Physical and mechanical parameters

Color	grey, white
Grain size (mm)	0 ÷ 2
Bulk density (kg)	1 110 ± 50
Compressive strength after 28 days (MPa)	>20
Crack width (mm)	5 ÷ 25

### 4. Test certificates

The product is certified according to Act 22/1997 and Governmental Decree No. 312/2005 Coll. Supervision of the quality system, EMS and OHSAS is carried out by Notified Body No. 1020.

### 5. Instruction for preparation and application

Dry jointing material needs to be mixed with 0.25 liters of water per 1 kg of dry mix, i.e. 6.25 liters of water per 1 PE bag of 25 kg to create a homogenous easily spread paste. Mixing time is about 3 minutes. Optimal is to use electrically driven propeller for mixing. Such created paste is then filled into joints in tile work using a classic tooling spatula. Perfect filling of the joints must be ensured. In case of jointing of smooth tiling the material can be filled in with a rubber squeegee. In any case the joints must be clean, dust-free and properly moistened. When jointing bricks and other porous materials, it is desirable to prevent unnecessary dirtying of the surrounding masonry.

After initial setting of the material in the joints, the surface can be carefully cleaned using a wet sponge. After setting the remaining dull cover can be removed only mechanically using a steel broom. Protect the surface against mechanical stress for at least 24 hours.

Workability is max. 2 hours after mixing with water.

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

### 6. Specific consumption

Specific consumption of dry mix amounts 0.5 ÷ 3.0 kg/m<sup>2</sup> in dependence on the width and depth of the filled joints.

### 7. Packing and storage

The product is packed into 25 kg PE-lined paper bags. **PROFILL TSM** must be efficiently protected against moisture during storing and transportation.

The shelf life of the product in original 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 the **PROFILL TSM** dry mix 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 (par. 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](http://www.betosan.cz)

Technical Data Sheet No. 8-15  
Issued 17.2.2014

