

# TZ-s

## Special trass cement

### Binder with special additives (PAN 56)

- with 50% original tubag trass



## APPLICATIONS

- to produce supple, easy to process and resistant site-mixed mortars, e.g. facing and bedding mortar
- for laying highly-sensitive, discoloration-sensitive natural stone
- for external and interior use

## PROPERTIES

- with trass to reduce the risk of lime efflorescence and discoloration on natural stones as well as for an optimised hardening process
- Special cement made of CEM I 52.5 R cement according to DIN EN 197-1, Rhenish trass according to DIN 51043 and special additives

## PROCESSING

- |                           |   |
|---------------------------|---|
| <b>Temperature</b>        | <ul style="list-style-type: none"><li>■ Do not process mortar made according to the following mixing ratios or allow it to dry in air, material and substrate temperatures of less than +5°C, and in case of expected night time frost or at temperatures of over +30°C, in direct sunlight, and/or in strong wind.</li></ul>   |
| <b>Drying / Hardening</b> | <ul style="list-style-type: none"><li>■ Protect the fresh mortar from drying out too quickly and from unfavourable weather conditions such as frost, draughts, direct sunlight and direct exposure to driving rain if necessary by hanging with foil.</li></ul>   |
| <b>Cleaning the tools</b> | <ul style="list-style-type: none"><li>■ Clean all tools and equipment with water immediately after use.</li></ul>   |
| <b>Notes</b>              | <ul style="list-style-type: none"><li>■ Use only aggregates in accordance with DIN EN 13139, DIN EN 13055 or DIN EN 12620.</li><li>■ The aggregates must not contain any colourants or harmful constituents.</li><li>■ When laying natural stone coverings, no lime must be added to the mortar.</li><li>■ For floor coverings, the joints should remain open for as long as possible so that the bedding mortar can dry out through the joints.</li><li>■ If a height adjustment is necessary for floor coverings, then the mortar required for the adjustment is to be applied somewhat wetter than earth-moist. I.e. the mortar should show a moist sheen when pressing a ball together with the fist.</li><li>■ Bedding mortar should have a plastic consistency.</li></ul> |

## MIXING RATIOS

Mixing ratios, volumetric ratio:

### Wall coverings:

Mortaring and bricklaying of natural stone and artificial stone slabs, brick slips, ceramic split tiles and other facing bricks on facades in accordance with DIN 18515 and on interior walls in accordance with DIN 18332, DIN 18333 or DIN 18352.

Usage	Trass cement special	Trass lime	Aggregate		
			0-2 mm	0-4 mm	0-8 mm
Splash throw	1	-	-	2-3	-
Flush-mounted	1	-	-	3-4	-
Interior setting mortar	1	-	-	4	-
Exterior setting mortar	1	-	-	3-4	-
Grout	1	-	2-3 <sup>*)</sup>	-	-

<sup>\*)</sup> Adjust the grain size to the joint width

### Flooring, stairs, window sills:

Laying of natural stone and artificial stone in accordance with DIN 18332 and DIN 18333 externally and internally as floor coverings, window sills, step cladding and block steps. Laying of ceramic tiles according to DIN 18352.

Usage	Trass cement special	Trass lime	Aggregate		
			0-2 mm	0-4 mm	0-8 mm
Interior laying mortar	1	-	-	4	-
Laying mortar on screed and concrete outside	1	-	-	3-4	-
Grout	1	-	2-3 <sup>*)</sup>	-	-

<sup>\*)</sup> Adjust the grain size to the joint width

### PACKAGING

- 25 kg/sack

### STORAGE

- Store sacks appropriately and in dry conditions on pallets.

### TECHNICAL DATA

<b>Product type</b>	formulated binder
<b>bulk density</b>	approx. 0.95 kg/dm <sup>3</sup>
<b>Colour</b>	light grey

All data are average values that were determined under laboratory conditions according to relevant test standards and application tests. Deviations are possible under practical conditions.

### SAFETY AND DISPOSAL INSTRUCTIONS

<b>Safety</b>	<ul style="list-style-type: none"><li>■ This product produces an alkaline reaction when it comes into contact with moisture/water. Therefore ensure that skin and eyes are protected. If it should come into contact with the skin or eyes, rinse them thoroughly with water. See a doctor immediately if it comes into contact with the eyes.</li><li>■ Follow further instructions in the safety data sheet.</li></ul>
<b>GISCODE</b>	<ul style="list-style-type: none"><li>■ ZP1 (products containing cement, low-chromate)</li></ul>
<b>Disposal</b>	<ul style="list-style-type: none"><li>■ Dispose of the material in accordance with the official regulations.</li><li>■ Completely empty and recycle the packaging.</li><li>■ Dispose of hardened product in accordance with the local regulations. Do not allow to enter the sewer system. Dispose of the hardened product in the same way as concrete waste and slurries. Waste code according to the Ordinance on the European Waste Catalogue depending on the origin: 17 01 01 (concrete) or 10 13 14 (concreteste and concrete slurries).</li></ul>

### GENERAL INFORMATION

This information sheet provides only general recommendations. Should you have any queries relating to a specific application, please contact our technical sales advisor or call our hotline: +49 541 601-601. All of the details given are based on our current knowledge and experience and on the assumption that the materials are professionally applied and used for their normal purpose. All of the details are non-binding and do not release users from their duty to undertake their own tests to ensure suitability for the intended application. Due to the effects of different weather, processing and construction site conditions, no guarantee can be given for the general validity of all details. We reserve the right to make changes as a result of further development of the product and applications engineering. The general rules for construction engineering, the valid standards and guidelines, and the technical working guidelines must be observed. The publication of this technical data sheet renders all previous editions of this data sheet void. Please obtain the latest information from our website.