



Technical Data Sheet

Trass Lime FL B 2

Formulated lime EN 459-1 FL B 2 (NHL 80, P20)

Mixing ratio for standard-type mortar in room sections:

Mortar group	Trass lime	Cement	Sand
I	1	-	3
II	2	1	8
Plastering mortar			
Plc	1	-	3 to 4

Composition

Otterbein trass lime FL B 2 is a "Formulated lime" acc. to EN 459-1. It consists of natural hydraulic lime NHL 2 and trass powder acc. to DIN 51043 as natural Puzzolan. The stabilizing process of trass lime FL B 2 is effected through carbonation and hydraulic hardening. Otterbein trass lime FL B 2 is free from cement!

Properties

- historic, cement- and gypsum-free natural hydraulic binder
- reduces the risk of efflorescences
- high sulphate resistance
- low-tension hardening process
- very good subsequent hardening properties
- high elasticity
- high water retention capacity in the mortar
- very good side adhesion at stone
- low elasticity module

Application

For the production of plaster-, stoneworking- and natural stone mortar, in particular in the ecological-biological construction of houses and apartments, in the renovation and preservation of historic monuments, for the reduction of the risk of efflorescence of salts damaging the basic structure of a building.

Delivery

In 25 kg bag
In big bag
In silo vehicles

Storage

Dry, if possible on wooden shelves and protected against draft. Storage time shall not exceed 6 months.

Technical data

Trass contents:	approx. 20 %
Bulk density:	approx. 0.6 kg/dm ³
free CaO:	approx. 30 %
SO ₃ :	approx. 0.4 %
Compression strength (acc. to EN 459-2):	
28 days:	approx. 4.5 N/mm ²
6 months:	approx. 7.5 N/mm ²
12 months:	approx. 9.5 N/mm ²

Safety instructions

Mortal will react very alkaline with water, thus:
Protect skin and eyes, rinse thoroughly with water in case of contact, immediately contact doctor in case of eye contact.

Quality-monitored production

Otterbein trass lime FL B 2 is continuously tested in our plant laboratory within the scope of our in-house monitoring with respect to the fulfilment of composition and properties. This will ensure a uniform quality of the product. Otterbein trass lime FL B 2 has the quality certificate „Building lime“ and is certified acc. to EN 459-1.