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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 for stonework

Mortar group	Trass lime	Cement	Sand
1	1	-	3
II	2	1	8
	Plasteri	ng 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 approx. 20 %

contents:

Bulk density: approx. 0.6 kg/dm³ free CaO: approx. 30 % SO₃: approx. 0.4 %

Compression strength (acc. to EN 459-2):
28 days: approx. 4.5 N/mm²
6 months: approx. 7.5 N/mm²
12 months: approx. 9.5 N/mm²

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.

The information supplied in this technical data sheet is based on the know-how gained by our development department and on the collected experience from the field. A liability for the exact validity of the individual data cannot be derived there from, however, because differing processing requirements or processing methods are outside of our scope of influence. With respect to the quality of our products, we refer to the warranty given within the scope of our General terms and conditions. Our field service consultants will be ready to assist you in case of any further questions with respect to the application. We reserve the right to changes improving our products. Version 12.07.2016 (Substitutes all prior versions).