

## 31200 Trass Powder

- Hydraulic additive without own binding power.
- Hardens in air and under water, in presence of lime and cement.

Trass, specified according to DIN 1043/44, is ground volcanic tuff, deficient in lime, which is found in two side valleys of the Rhine River. It is used as an additive for mortar and concrete.

Trass contains 30-35 % hydrochloric acid-soluble silicic acid, which chemically binds free lime into soluble lime silicates.

Trass powder is pale yellowish-grey.

### Specification:

#### Chemical Analysis:

Ignition loss:	5.0 M.-%
SiO <sub>2</sub>	54 M.-%
Al <sub>2</sub> O <sub>3</sub>	18 M.-%
CaO + MgO	5.6 M.-%
Na <sub>2</sub> O + K <sub>2</sub> O	7.8 M.-%
SO <sub>3</sub>	0.2 M.-%
CO <sub>2</sub>	0.7 M.-%
Cl	0.03 M.-%

Specific surface (accord. to Blaine)	5800 cm <sup>2</sup> /g
Sieve Residue:	
0.20 mm	0.8 M.-%
0.09 mm	5.9 M.-%
0.063 mm	15 M.-%
Density:	2.60 g/cm <sup>3</sup>
Bulk density:	0.86 kg/dm <sup>3</sup>
Humidity:	2.8 M.-%
Compressive strength:	
2 days	---
7 days	---
28 days	6.1 M/mm <sup>2</sup>