

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

Technical Data	Specification	Average Value
Spez. Oberfläche nach Blaine	$\geq 5000 \text{ cm}^2/\text{g}$	7507 cm^2/g
Siebrückstand 0,063		11.6 M.-%
Siebrückstand 0,09		2.8 M.-%
Siebrückstand 0,2		0.2 M.-%
Dichte		2.5 g/cm^3
Schüttdichte		0.7 kg/dm^3
Feuchte		2.3 M.-%
Festigkeit N ₂₈ – 28 Tage	$\geq 5.0 \text{ N}/\text{mm}^2$	7.5 N/mm^2

Chemische Zusammensetzung

	Specification	Average Value
Glühverlust	$\leq 12 \text{ M.-%}$	5.2 M.-%
SiO ₂	50 – 75 M.-%	52 M.-%
Al ₂ O ₃	10 – 25 M.-%	16 M.-%
CaO + MgO	$\leq 15 \text{ M.-%}$	8 M.-%
Na ₂ O + K ₂ O	$\leq 10 \text{ M.-%}$	6 M.-%
SO ₃	$\leq 1 \text{ M.-%}$	0.1 M.-%
CO ₂	$\leq 7 \text{ M.-%}$	0.6 M.-%
Cl	$\leq 0,1 \text{ M.-%}$	0.06 M.-%