



High strength moulding plaster

Ludur G is a synthetic alpha-Calcium-sulphate-Hemihydrate used as basic material for the manufacture of gypsum elements and in mixture with beta-Calcium-sulphate-hemihydrate or anhydrite to improve the quality of these materials. It is also compatible with calcium carbonate or cement mixtures and with inert fillers, e.g. quartz powder.

Characteristics

Appearance	white powder
Sieve residue on 0.5 mm	max. 1 %
Mean particle size	app. 30 µm
Degree of whiteness (dry powder)	min. 96 %
Degree of yellowness (dry powder)	max. 3 %
Bulk density	app. 1000 g/l

Mixing ratio

powder : water 1kg : 0,33l

Setting time (according to DIN EN 13279)

Working time	app. 4 min
Setting time	10 – 20 min

Mechanical properties

(DIN EN 13279)

Tensile strength, dry	above 10 N/mm ²
Compressive strength, dry	above 40 N/mm ²
Hardness, dry	above 100 N/mm ²

Useful hints

Ludur G and the water to be mixed shall have a temperature of approximately 20° C (68° F). Plaster which has been stored at extreme temperatures should be acclimatised for several hours before using.

The mixing vessel and the mixing machine must be clean.

The setting time can be modified by accelerators and retarders.

Packing

Paper bag with foil liner	25 kg
Big Bag	1000 kg

Shelf life

At least 12 months, in closed, vapour-proof packages.

The above recommendations are given to the best of our knowledge. We grant the quality of our products according to our specification. Any further liability cannot be accepted since the proper application of our products is outside of our control.