



High strength moulding plaster

Synthetic alpha-Calciumsulphate-Hemihydrate used as basic material for the manufacture of gypsum elements and in mixture with beta-Calciumsulphate-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	under 1 %
Bulk density	app. 1000 g/l
Mixing ratio, powder : water	3 kg : 1 l
Working time	app. 4 min
Setting time	app. 10 min
Tensile strength, dry	above 10 N/mm ²
Compressive strength, dry	above 40 N/mm ²
Hardness, dry	above 100 N/mm ²

Mixing

Strew plaster in the given ratio into the water, allow to soak, then stir thoroughly for approximately 1 minute. In order to mix larger quantities

it is advisable to use a mixing machine. After having mixed the slurry is to be casted into the prepared mould. Do not move the mixture after working time until it is fully set.

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

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.

