



Synthetic Hard Gypsum

Ludur P consists of synthetic alpha-Calcium sulphate-Hemihydrate. It can be used as a basis material for the production of finished parts made of gypsum as well as for the qualitative improvement of beta-Calcium sulphate-Hemihydrate and anhydrite. **Ludur P** can also be applied together with inert fillers e.g. quartz powder, but also together with calcium carbonate or cement mixings.

Characteristics

Appearance	powder
Sieve residue (2 mm)	less than 1 %
medium grain size	app. 60 µm
bulk density	app. 1300 g/l
Mixing ratio powder : water	app. 3.3 kg : 1 l

Setting time according to DIN 1168	
-begin	app. 4 min.
-end	app. 10 min.
Flexural strength	above 8 N/mm ²
Compressive strength	above 40 N/mm ²
Hardness	above 110 N/mm ²

Working instruction

Strew **Ludur P** in the above-mentioned ratio into the water and mix by means of an electrical mixer approx. 1 min. Then cast immediately.

Useful hints

It is important to use only clean mixing equipment. In order to modify the setting time an accelerator or retarder can be used.

Packing

Paper bags with liner	25 kg net
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.