



### Synthetic Hard Gypsum

A synthetic alpha-Calciumsulphate-Hemihydrate used as basis material for the production of finished parts made of gypsum as well as for the qualitative improvement of beta-Calciumsulphate-Hemihydrate and anhydrite. LUDUR P can also be used together with inert fillers e.g. quartz powder, but also together with calciumcarbonate or cement mixings.

#### Characteristics

Appearance	powder
sieve residue (2 mm)	less than 1 %
medium grain size	app. 60 um
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 13 N/mm <sup>2</sup>
compressive strength	above 55 N/mm <sup>2</sup>
hardness	above 150 N/mm <sup>2</sup>

#### 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 50 kgs net

#### 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.