



## High strength moulding plaster

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

### Characteristics

Appearance	white powder
Mean particle size	app. 30 µm
Degree of whiteness (dry powder)	min. 91%
Degree of yellowness (dry powder)	min. 4 %
Bulk density	app. 1000 g/l

### Mixing ratio

powder : water 1kg : 0,33l

### Setting time (according to DIN 1168)

Setting time 3 – 20 min

### Mechanical properties (DIN 1168)

Tensile strength, dry	above 8 N/mm <sup>2</sup>
Compressive strength, dry	above 35 N/mm <sup>2</sup>
Hardness, dry	above 90 N/mm <sup>2</sup>

### Useful hints

**Ludur HW** 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.