

TECHNICAL DATA SHEET

PRODUCT	
Potters Plaster	A high-quality superfine plaster ideal for the production of moulds. *Plaster to water ratio is 1.3kgs plaster to 1 litre water.

CHEMICAL PROPERTIES (MEAN VALUES. THESE DO NOT REPRESENT A SPECIFICATION.)	
Chemical Composition	CaSO ₄ .1/2H ₂ O
Colour	White

SETTING PARAMETERS	
Vicat Ring Fluidity (cm)	19
Initial Setting Time (minutes)	9
Final Setting Time (minutes)	13
Linear Expansion (%)	0,26

MECHANICAL PROPERTIES	
Brinell Hardness (MPa)	20
Dry Compressive Strength (Mpa)	16
Wet Compressive Strength	7
Pore Volume (%)	44%

PHYSICAL PROPERTIES	
Particle Size (% weight retained)	5% at 150µm 18% at 90µm 33% at 63µm 50% at 32µm
Loose Bulk Density (kg/m³)	900
Bulk Density (Compacted) kg/m³	1300

INSTRUCTIONS FOR USE
The recommended mixing time is for approx. 2 to 4 minutes, depending on batch size. The precise consistency to use will need to be adjusted to suit the individual application. Changes to plaster to water ratio will influence product performance particularly setting time, strength and permeability. Depending on quality and preparation, the clay has a varying tendency to stick to the mould. Therefore, the pwr may be adjusted within the above ranges. Depending on the quantity, the tendency to stick increases as the pwr increases. When inserting on the press, the lowest ratio should be tested first, followed by increasing increments to determine the optimum ratio.

PRODUCT SIZE
The products are available in Paper Bags (25kg), big bags and bulk.