

**Whitfield & Son Ltd are a major supplier of fine grade Plaster of Paris to the world's ceramic industry and are able to offer grades to suit the majority of manufacturing processes.**

Our range of plaster for modelling and case-mould production is based upon Alpha hemi-hydrate giving a combination of correct expansion coupled with hardness which is ideally suited for this purpose.

#### **Beta Plaster**

We can offer Beta plasters with very high purity, which have been produced especially for moulds used for casting, particularly in the sanitaryware and bone china industries.

#### **Alpha/Beta Plaster**

Careful blending of Alpha and Beta plasters enables us to offer a wide range combining good absorption and permeability, together with high strength and superior mould life, suitable for jollying, jiggering and casting. We also supply special grades of plaster used in self levelling floors, and for roofing and acoustic tiles. Mould release agents are also available.

#### **Setting Times**

Typical setting times for Standard Grade Plaster are:

*Initial set: 6-10 min*

*Final set: 18-30 min*

The plaster/water ratios given are the indicated levels for typical use. Higher or lower levels can be used depending upon customer needs and application.

The use of a vicat ring is recommended to help determine the correct time to pour the plaster e.g. 21-22cms for typical plasters.



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