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Technical Data Sheet

Caprax D10 Plaster & Caprax D10f

Description

Caprax D10 Plaster is a chemically bonded, alumino-silicate, plastic/plaster refractory. Caprax D10 Plaster is usually supplied wet, but is also available dry to reconstitute on site.

Applications

Caprax D10 Plaster is a high quality patching material for use on hot and cold surfaces, particularly for induction furnaces and foundry ladles.

Caprax D10f is a finer variant of Caprax D10 Plaster.

General Properties/Classification[†]

Property	Value
Type	Rammin mix
Placement	Ramming
Main raw material	Bauxite
Classification temperature	1700°C
Application limits	1700°C
Maximum grain size	Caprax D10 Plaster 3 mm Caprax D10f 1 mm
Water addition (if supplied dry)	8.0-8.5% 2.0-2.2 l / 25 kg bag
Shelf Life	Up to 6 months for ready-mixed (12 months for dry product) when stored in a cool, dry, shaded frost-free environment.

Chemical Properties[†]

Species	Wt. %
Al ₂ O ₃	77
SiO ₂	12.5
Fe ₂ O ₃	1.5
TiO ₂	2.0
P ₂ O ₅	5.0

Physical Properties[†]

Property	Units	As Applied	Dry	Fired to 1600°C
Bulk Density	g cm ⁻³	2.80	2.55	2.55
Cold Crushing Strength	MPa		20	45
Permanent linear change	%			0

ATTENTION! For optimum and safe performance the customer is advised to contact Capital for the correct installation and drying procedure specific to your operation.

[†] Properties are the mean of values determined during routine quality control and therefore do not constitute a specification.

[‡] Testing and classification according to BS EN 993 and BS EN ISO 10081

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