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## Technical Data Sheet

### Capram 85

#### Description

Capram 85 is a chemically bonded, bauxite -based refractory ramming mix.

#### Applications

Capram 85 is used as a topping for both basic and neutral induction furnace lining and can be easily applied to achieve on-going repairs.

Capram 85 is usually supplied wet and ready for use, but is also available dry to reconstitute on site.

#### General Properties<sup>‡</sup>

Property	Value
Type	Ramming mix
Main raw material	Bauxite
Type of bond	Chemical
Method of placement	Ramming
Bulk density	2650 kg m <sup>-3</sup>
Classification temperature	1700°C
Application limits	1650°C
Maximum grain size	5 mm
Packaging	25 kg bags
Shelf life	3 months when stored in a cool shaded frost-free environment

#### Chemical Properties<sup>†</sup>

Species	Wt. %
Al <sub>2</sub> O <sub>3</sub>	76.2
SiO <sub>2</sub>	18.3
TiO <sub>2</sub>	2.1
Fe <sub>2</sub> O <sub>3</sub>	1.0
Na <sub>2</sub> O	1.3

#### Physical Properties<sup>†</sup>

Property	Units	Dried to 150°C	Fired to 1600°C
Bulk Density	g cm <sup>-3</sup>	2.40	2.05
Cold Crushing Strength	MPa		14
Permanent linear change	%		+4

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

<sup>†</sup> Properties are the mean of values determined during routine quality control and therefore do not constitute a specification.

<sup>‡</sup> Testing and classification according to BS EN 993 and BS EN ISO 10081

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Quality Management System  
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