



ECCASEAL C

SODIUM BENTONITE

A granulated sodium bentonite with high swelling properties used as a soil sealant for water-proofing earth dams, environmental protection layers, and other civil engineering applications.

CHEMICAL ANALYSIS (%)	TYPICAL
SiO ₂	62,2
Al ₂ O ₃	18,6
Fe ₂ O ₃	3,5
TiO ₂	0,2
CaO	0,8
MgO	3,7
K ₂ O	0,7
Na ₂ O	2,4
L.O.I.	7,9

MINERALOGY (APPROXIMATE)	
% Montmorillonite	80
% Quartz	1,2
% Clinoptile	1
% Mica	7

PHYSICAL PROPERTIES	
Colour (Crude)	Cream - Pink
Appearance	Granules 0 – 8 mm
Moisture (%)	8 - 16
Specific gravity (g/cm ³)	2,51
Loose bulk density (g/cm ³)	1,2
Particle size distribution	+ 8.0 mm (% retained) ≤ 15
	- 0.075 mm (% retained) ≤ 15
pH (30g in 60ml water)	9 - 10
Swelling index (ml/2g)	≥ 12
Water absorption (on sinter plate)	400%

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Revision 1 - 2014 September

IMERYS REFRACTORY MINERALS
P O Box 8118 - 0046 CENTURION - SOUTH AFRICA



Tel :+27 (0)12 643 5880
E.mail: refractory.minerals@imerys.com

www.imerys-refractoryminerals.com



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HEALTH AND SAFETY

Eccaseal C is a granular aluminosilicates product, which generates dust when handled in dry conditions. Eccaseal C is low in dust likely to yield respirable silica levels. A dust mask is recommended for use when handling this product in bulk volumes. The material is a natural desiccant. Handling with gloves or the use of a barrier cream will prevent drying of the skin. The product is very slippery when wet and special care must be taken during handling in wet conditions.

PACKAGING

Eccaseal C is available in the following packaging:

- 1.0 metric ton woven polypropylene bulk bags.
- 40 kg multiply bags, 25 bags per 1.0 metric ton pallet.

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