

# Hywite™ Superb



Hywite™  
is a trade mark of  
IMERYS Minerals Ltd

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IMERYS Minerals Ltd

The data quoted are determined by the use of Imerys Standard Test Methods, copies of which will be supplied on request. Every precaution is taken in production to ensure the products conform to our published data. Since the products are based on naturally occurring materials, we reserve the right to change these data should it become necessary. Sales are in accordance with our "Conditions of Sale", copies of which will be supplied on request.



ISO 9001  
FM 14752

## PRODUCT SPECIFICATION

### Chemical Composition (mass %):

	Value	Range	
		Min	Max
SiO <sub>2</sub>	49	46	52
Al <sub>2</sub> O <sub>3</sub>	33,0	31,0	36,0
Fe <sub>2</sub> O <sub>3</sub>	1,1	0,9	1,3
TiO <sub>2</sub>	0,9	0,7	1,1
K <sub>2</sub> O	1,8	1,5	2,1
L.O.I	14,0	12,0	16,0

### Surface Area (MBI):

Value	Range
	Min Max
26	20 32

### TYPICAL DATA

The following data is provided for information only and is derived from quality control tests over a number of years. It does not constitute a specification.

### Chemical Composition (mass %):

CaO	0,2
MgO	0,3
Na <sub>2</sub> O	0,2

### Particle Size (Mass %)

+125 microns	1,5
+53 microns	2,5
-5 microns	94
-2 microns	84
-1 micron	75
-0.5 micron	63

### Modulus of Rupture (MNm<sup>-2</sup>):

Dried at 110°C	5,5
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### Fired Properties:

Water Absorption (mass%)	1120°C	11,0
	1180°C	6,5
	1240°C	4,0
Brightness (%)	1120°C	78
	1180°C	72
	1240°C	68
Contraction (%)	1120°C	11,8
	1180°C	14,0
	1240°C	15,0

### Casting Data:

Casting concentration (mass % solids)	65,0	
Na <sub>2</sub> CO <sub>3</sub> +M75 sodium silicate (mass %)	7 poise	0,9
	5 poise	1,3

Carbon (wt %)	2,5
W.S. Salts (wt %)	0,1

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