

Hywite Superb

APPLICATION

Tableware, Tiles – Glaze & Engobe

PRODUCT SPECIFICATION

CHEMICAL ANALYSIS (%)	Min.	Value	Max.
SiO ₂	46	49	52
Al ₂ O ₃	31	33	36
Fe ₂ O ₃	0.9	1.1	1.3
TiO ₂	0.7	0.9	1.1
K ₂ O	1.5	1.8	2.10
L.O.I.	12.0	14.0	16.0

PHYSICAL PROPERTIES (mg.g⁻¹)

M.B.I.	20	26	32
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TYPICAL PROPERTIES

CHEMICAL ANALYSIS (%)	Value
Na ₂ O	0.2
CaO	0.2
MgO	0.3
Carbon	2.5

PARTICLE SIZE ANALYSIS (%)

> 125 µm	1.5
> 53 µm	2.5
< 5 µm	94
< 2 µm	84
< 1 µm	75
< 0.5 µm	63

PHYSICAL PROPERTIES (wt %)

Water soluble salts	0.1
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MODULUS OF RUPTURE (MN.m⁻²)

Dried at 110°C	5.5
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CASTING DATA

Casting concentration (mass % solids)	65
M75 sodium silicate + Na ₂ CO ₃ demand (mass %) 7 poise	0.9
M75 sodium silicate + Na ₂ CO ₃ demand (mass %) 5 poise	1.3

FIRED PROPERTIES (%)

	1120°C	1180°C	1240°C
Brightness	78	72	68
Water absorption	11.0	6.5	4.0
Linear contraction	11.8	14.0	15.0

PRODUCT FORM & STANDARD PACKAGING

Powder, shredded
Big bag, 25-50 kg bags, bulk

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Seventh Edition

This version supersedes the version dated March 2008

Production Site

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Typical data values do not represent a specification. 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.