

DIPLASTIT B65-3

Classification	Mix for universal application
Main raw material components	Bauxite, Fireclay
Bonding type	Hydraulic
Grain Size	0-3 mm
VDEh-Code	001506502165, 001806502165, 001406502165, 001006502165
Working method	Vibrating, Ramming, Trowelling, Gunning
Amount of Material without loss	2,10 t/m ³
Liquid addition	Water
Amount of liquid addition	12,0-18,0 l/100kg
Storage Limit	12 months
Temp. limit for application	1.650 °C

Chemical analysis

Al₂O₃	SiO₂	Fe₂O₃	TiO₂	K₂O	MgO
63.0 %	28.5 %	1.3 %	2.5 %	0.2 %	0.1 %
CaO					
4.0 %					

Determination on fired substance (1025°C/1877°F) acc. to EN ISO 12677

Physical properties

Bulk Density (110°C/230°F)	2,17 g/cm ³	EN 1402-6
Bulk Density (1000°C/1832°F)	2,09 g/cm ³	EN 1402-6
Cold Crushing Strength (110°C/230°F)	10,0 N/mm ²	EN 1402-6
Cold Crushing Strength (1000°C/1832°F)	10,0 N/mm ²	EN 1402-6
Cold Crushing Strength (1500°C/2732°F)	50,0 N/mm ²	EN 1402-6
Modulus of Rupture (110°C/230°F)	3,0 N/mm ²	EN 1402-6
Thermal Expansion (1400°C/2552°F)	0,80 %	EN 993-19
PLC (1000°C/1832°F)	-0,20 %	EN 1402-6
PLC (1500°C/2732°F)	-1,00 %	EN 1402-6

The indicated values are standard values, i.e. values taken over a longer representative period of time according to either valid test standards or internal test methods. They may not be regarded as committed specifications and therefore not as guaranteed properties. We reserve the right to further technical developments and new editions of technical product information.

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Thermal Conductivity (400°C/752°F)	0,65 W/mK	DR. KLASSE
Thermal Conductivity (600°C/1112°F)	0,61 W/mK	DR. KLASSE
Thermal Conductivity (1000°C/1832°F)	0,73 W/mK	DR. KLASSE
Thermal Conductivity (1200°C/2192°F)	0,78 W/mK	DR. KLASSE

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