



P.T.B.- REFRACTAIRE-M

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POLYTECHNISCH BEDRIJF BVBA/SPRL – P.T.B.-COMPACTUNA® INDUSTRIEPARK ZWIJNAARDE 6 9052 GENT – BELGIUM		
06		
030/CPR/100323		
EN 998-2		
P.T.B.-REFRACTAIRE-M Drogse metselmortel voor normaal gebruik/Prestatiemortel/binnen en buiten Mortier à maçonner sec à usage courant/mortier performant/intérieur et extérieur Trocken Mauermörtel für allgemeine Verwendung/nach Eignungsprüfung/Innen und Außen Dry masonry mortar for normal use/performance mortar/internal and external use TYPE G		
Druksterkte/Compression/Druckfestigkeit/Compressive strength	Klasse/Classe	M50
Chloridegehalte/Teneur en Chlorures/Chloridgehalt/Contents of chloride		max. 0,02%
Brandveerstand/Résistance au feu/Brandverhalten/Reaction to fire		Euroclass A1
Waterabsorptie/Absorption d'eau/Wasseraufnahme/Water absorption	kg/m ² .min ^{0,5}	0,11
Waterdampdoorlatendheid/Perméabilité à la vapeur d'eau/Wasserdampfdurchlässigkeit/Water vapor permeability	μ	15/35 (TV)
Thermische geleidbaarheid/Conductivité thermique, Wärmeleitfähigkeit/Thermal conductivity	λ _{10, dry, mat}	1,07 W/m.K (TV,P=50%)
Volumieke massa/Masse Volumique/Dichte/Density	kg/m ³	1975 +/- 25



Qualities

P.T.B.-REFRACTAIRE-M is a ready-to-use refractory mortar, that at the same time has faster bonding characteristics than a traditional mortar.

Refractory mortar



TECHNICAL PARAMETERS

Category and values
conform NBN EN 998-2

Compressive strenght (after 28 days)	≥ 50 N/mm ² => M50
Flexural strenght (after 28 days)	≥ 8 N/mm ²
Water absorption	0,11 kg/m ² .min ^{0,5}
Density mortar	ca. 2100 kg/m ³
Density hardened mortar	ca. 1975 kg/m ³
Thermal conductivity (λ)	1,07 W/m.K
Durability (freeze-thaw cycles)	ca. 25 N/mm ²

Mixing ratio

Jointing: ± 10 to 15 % water ; Brick work & cementation: ± 15 to 20% of water

Consumption

Jointing: ± 250 g/running meter
Cementations: ± 15 to 25 kg/m²

Packaging

5 (bucket) & 25 kg

Colours

Brown-grey

Processing time

Max. 45 min.

Application temperature

+ 5°C till + 30°C

P.T.B.-REFRACTAIRE-M

Use

P.T.B.-REFRACTAIRE-M is used for building and jointing brick chimneys, fireplaces, barbecues, chimney pots, etc.

Directions for use

Use always a substrate that is clean and if necessary moisten it.
For masonry, P.T.B.-REFRACTAIRE-M is prepared with ± 15 to 20% water.

For jointing P.T.B.-REFRACTAIRE-M is prepared with ± 10 to 15% water.
After a few days of hardening, heating is applied gradually.

Packaging

P.T.B.-REFRACTAIRE-M is available in bags of 25 kg and pails of 5 kg.
Every bag contains a polythylene inner bag that guarantees long-lasting conservation.

