



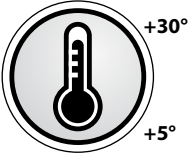
P.T.B.-CEL

Adhesive for aerated concrete

CE 0965		
POLYTECHNISCH BEDRIJF BVBA/SPRL – P.T.B.-COMPAKTUNA® INDUSTRIEPARK ZWIJNAARDE 6 9052 GENT – BELGIUM		
12		
018/CPR/180323		
EN 998-2		
P.T.B.-CEL		
Droge 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		
Dunbed/Couche mince/Dünnbettmörtel/Thin layer masonry mortar – TYPE T		
Druksterkte/Compression/Druckfestigkeit/Compressive strength	Klasse/Classe	M10
Chloridgehalte/Teneur en Chlorures/Chloridgehalt/Contents of chloride		max. 0.02%
Brandweerstand/Résistance au feu/Brandverhalten/Reaction to fire		Euroclass A1
Waterabsorptie/Absorption d'eau/Wasseraufnahme/Water absorption	kg/m ² ·min ^{0,5}	0.18
Waterdampdoorlatendheid	μ	5/20 (TV)
Perméabilité à la vapeur d'eau/Wasserdampfdurchlässigkeit/Water vapour permeability		
Thermische geleidbaarheid/Conductivité thermique	λ _{10, dry, mat}	0.57 W/m.K (TV, P = 50%)
Wärmeleitfähigkeit/Thermal conductivity		
Volumieke massa/Masse Volumique/Dichte/Density	kg/m ³	1500-1600
Maximale korrelgrootte/Grosseur du grain/Korngröße	mm	1
Correctietijd/Temps de correction/Korrektionszeit	min	11



Characteristics



P.T.B.-CEL is a dry mix of cement, sand and additives to which only water is added in order to obtain a ready-for-use adhesive mortar for cellular concrete and other light-weight building elements.

P.T.B.-CEL has a very good resistant strength and a long open time. Workability is excellent.

P.T.B.-CEL has a low coefficient of thermal conductivity (value λ), and has a part in the insulation of the building.

TECHNICAL PARAMETERS

Category and values conform NBN EN 998-2

Compressive strength (after 28 days)	≥ 11 N/mm ² => M10
Flexural strength (after 28 days)	≥ 3,5 N/mm ²
Water absorption	0,18 kg/m ² .min ^{0,5}
Density	ca. 1725 kg/m ³
Density of dry hardened mortar	ca. 1550 kg/m ³
Thermal conductivity (λ)	0,57 W/m.K (TV, P = 50%)

Mixing ratio

± 6,5 l water per bag of 25 kg (± 26 %)

Consumption

Depending on the width of the stone

Packaging

25 kg

Colours

White

Processing time

± 3h

Application temperature

+ 5°C till + 30°C

P.T.B.-CEL

Directions for use

Mix thoroughly 25 kg of P.T.B.-CEL with \pm 6,5 litres of clean water. Let the P.T.B.-CEL settle for 10 to 15 minutes before mixing it thoroughly once more.

Protect dehydrating masonry against frost, precipitation, fierce wind and direct sun.

The works must be protected from cold, rain and wind.

Packaging

P.T.B.-CEL is delivered in bags of 25 kg. Every bag contains a polyethylene inner bag that guarantees long-lasting conservation.

P.T.B.-CEL can be kept for 12 months in the original, unopened packaging when stored in a dry place.

