



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/130701		
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 EignungsprüfungInnen 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	N/mm ²	11
Afschuiving/Cisaillement/Anfangsscherfestigkeit/Initial shear strength	N/mm ²	0,3 (TV)
Chloridgehalte/Teneur en Chlorures/Chloridgehalt/Contents of chloride		max. 0,02%
Brandveerstand/Résistance au feu/Brandverhalten/Reaction to fire		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	W/m.K	0,47 (TV)
Warmteïfahigkeit/Thermal conductivity		
Volumieke massa/Masse Volumique/Dichte/Density	kg/m ³	1500-1600
Duurzaamheid/Durabilité/Dauerhaftigkeit/Durability		NPD
Maximale korrelgrootte/Grosneur du grain/Korngröße	mm	1
Correctietijd/Temps de correction/Korrektionszeit	min	11

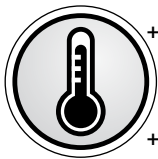


Characteristics

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.



+30°

+5°

TECHNICAL PARAMETERS

Category and values
conform NBN EN 998-2

Compressive strength (after 28 days)
Flexural strength (after 28 days)
Initial shear strength
Water absorption
Density
Density of dry hardened mortar
Thermal conductivity (λ)
Durability (freeze - thaw)

≥ 11 N/mm² => **M10**
≥ 3,5 N/mm²
0,30 N/mm²
0,18 kg/m².min^{0,5}
ca. 1725 kg/m³
ca. 1550 kg/m³
0,47 W/m.K
NPD

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

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.

