



BOND CEMENT

Art. code see DDT

Date of issue 08.01.2018

Review nr. 03

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Via M. Buonarroti, 15 – 20093 Cologno M.se (MI) – Italia Tel. +39 02/267.00.605 – Fax +39 02/267.00.621 –
info@winklerchimica.com www.winklerchimica.com

MEETS THE EUROPEAN LAW

UNI EN 14891:2012

CLASSIFICATION

CM 01 P

LIQUID WATERPROOFING PRODUCT TO
BE APPLIED UNDER CERAMIC TILES
LAID BY USING TILE ADHESIVES

MEETS THE EUROPEAN LAW

UNI EN 12004

C2 TE

TILE ADHESIVE BASED ON
CEMENT

DESCRIPTION OF THE PRODUCT

Waterproofing two-component tile adhesive.

CLASSIFICATION IN CONFORMITY WITH EN 12004 (C2 TE)

BOND CEMENT is a non-slip **(T)**, deformable **(S1)**, with extended open time **(E)**, and improved with supplementary characteristics **(C2)**, cement bond **(C1)**.

USE FIELDS

Product used to wall and floor bonding of different size floorings and ceramic tiles, both indoor and outdoor, suitable for balconies, swimming pools, bathrooms, terraces and load dispatching layers. The ideal to overlap ceramic materials on pre-existing coatings and ceramic floors. The product requires only a coat and does not need the use of a mesh.

SURFACE PREPARATION

Accurately clean the support to eliminate: salts, dust, crumbly parts, foreign or bonding-proof matters. Wet the support before the application.

For corners reinforcement and sealing, it's advisable applying BC SEAL BAND, self-adhesive band covered with non-woven. For waterproofing and sealing around roof penetrations such as drain, ventilation pipes, other roof penetrations or around plumbing pipes and drains, use BC SEAL PAD, self-adhesive butyl square pad. Apply BOND CEMENT in a continuous and homogeneous coat, in order to allow a perfect waterproofing layer.

The information contained in this technical data sheet is to the best of our knowledge correct. However, by no means can it be considered a guarantee, as usage, working area and application of the product in accordance with the instructions given and their success in application is beyond our control and is dependent on a number of factors. We decline any responsibility for the improper use of the product as the application recommendations contained herein are to be considered as a general guideline. If at all in doubt, preliminary tests should be carried out.
WINKLER S.r.l. reserves the right to modify and up-date said data sheets without prior notice. Clients are kindly requested to verify that they are in possession of the current edition.



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SURFACES WITH JOINTS

Use WINJOINT BAND, waterproof elastic band made of rubber and polyester fabric, suitable for waterproofing structural joints.

Apply WINJOINT BAND as described below: clean the surface to be treated, apply BOND CEMENT laterally to the joint and to a width that is larger than the joint cover. Apply the joint cover by placing the lateral perforated strip to the area already treated with BOND CEMENT, soak it with a further coat of product.

WARNING

No cement nor additive required.

Do not use if the bag is damaged.

Do not add water when the compound is starting setting.

Do not apply on surfaces treated with asphalt nor bitumen.

APPLICATION

WATERPROOFING-BONDING ACTION FOR SMALL-MEDIUM SIZE COATINGS (SURFACE SMALLER THAN 900 cm²)

After homogeneously mixing components A + B (with ratio 100 + 33) lay a **CONTINUOUS** layer on the support with **CONSTANT THICKNESS** as that can ensure the wettability feature of the tile counter-face. Approx. 2.5 mm are enough on non-damaged surfaces.

Slightly press to create crests with the toothed part of the knife.

In order to guarantee waterproofing **WE MUST ENSURE THE CONTINUITY OF THE BOND CEMENT LAYER APPLIED.**

WATERPROOFING-BONDING ACTION FOR LARGE-SIZE COATINGS (AREA OVER 900cm²), WATERPROOFING OF ALL THE SIZES IN SWIMMING POOLS AND BASINS:

BOND CEMENT must be coated ALSO on the backside of the tile (double-coating) to guarantee good bonding results.

ADVICES

Apply BOND CEMENT at temperatures between +5° and +35°C°.

Coatings made by BOND CEMENT must not be subject to washout or rainfall for about 24 hours after the application.

Thanks to the elasticity of BOND CEMENT, it is suggested to add ADEGUM LATEX to the water mix for stuccos and runouts.

Each later stucco layer must be given only 18-20 hours after the application of BOND CEMENT.

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As BOND CEMENT is a fast-setting product, coverings must be positioned within 20 minutes after the application of the cement bond.

CONSUMPTION

Waterproof coating + bonding crests, applied by only a coat of 3.5 kg/m².
Double spreading application: 4.5-5.0 kg/m².

PACKAGING

Component A (powder) kg 15.
Component B (liquid) kg 5.

STORAGE

The product in its undamaged packaging can be stored for 12 months. Please store it at temperatures between +5 and 35 °C.

SAFETY INSTRUCTIONS

PRECAUTIONS

For information about safety, user must refer to the most recent Safety Data Sheet, edited in accordance with the regulations in force, which contains physical, toxic and other data about the product in use.

ECOLOGY

Do not through out the product and/or empty containers in the environment. Consult the most recent Safety Data Sheet for further information about disposals.

TECHNICAL FEATURES

PRODUCT DATA

	Comp. A	Comp. B
ASPECT	Powder	Liquid
COLOUR:	White	White
SOLID CONTENT (%)	100	45
MIX RATIO	A 100 + B: 33	
MIX COLOUR	white	
SOLIDITY	THIXOTROPIC PASTE, CAN BE SMOOTHED	

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OPERATIONAL STRENGTHS CERTIFIED OF THE PRODUCT

Open time:	
Tensile adhesive strength after 30 minutes (UNI EN 1346:2000)	0,59 N/mm ²
Initial tensile adhesive strength: (UNI EN 1348:2000)	1,08 N/mm ²
Tensile adhesive strength after thermal ageing (UNI EN 1348:2000)	1,14 N/mm ²

OPERATIONAL STRENGTHS CERTIFIED OF THE PRODUCT

Tensile adhesive strength after immersion in water (UNI EN 1348 : 2000)	1,03 N/mm ²
tensile adhesive strength after frosting/defrosting cycles (UNI EN 1348:2000)	1,28 N/mm ²
Ultimate elongation	< 2 %
Slip (UNI EN 1308 : 2007)	< 0,5 mm
Chlorine-proofing (28 days in 10% NaCl solution)	Very good
Sulphate-proofing (28 days in 10% K ₂ S ₀ 4 solution)	Very good
Working life (20°C)	60 minutes
Establishing wetting power UNI EN 1347: 2000	
After 10 minutes	85.30%
After 20 minutes	56%
After 30 minutes	38.60%

The product meets with the Law 2003/53/CE and its prescriptions.