

3CW

Organic system to waterproof non-absorbent substrates with a high level of residual humidity. Three-component.

3CW guarantees water-resistance to protect hardwood floors from residual humidity for a 100% safe laying on non-absorbent substrates and over old floors.



1. Specifically intended for non-absorbent substrates and absorbent, smooth and compact substrates
2. Up to 5% CM high residual humidity waterproofing product
3. Easy to apply with a roller

Rating 0

Product with none of the requisites of the GreenBuilding Rating, must be used with care.

Kerakoll undertakes to improve the ratings of Rating zero materials and products.



Areas of application

→ Intended use:

Waterproofing of absorbent and non-absorbent, smooth and compact, cement-based substrates with a high residual humidity (max. 5%).

Compatible adhesives:

- organic mineral reactive two-component adhesives
- organic mineral reactive single-component adhesives
- reactive single-component and two-component adhesives

Substrates:

- flooring in ceramic, marble-floor tiles and natural stone
- flooring in concrete smoothed with circular grinding machinery, compact and smooth screeds

Internal use, in residential and commercial buildings.

Do not use on dusty or imperfectly anchored absorbent substrates, on anhydrite-based substrates; on substrates subject to moisture rising; for waterproofing of damp substrates containing heating systems and substrates that are sensitive to moisture.

Instructions for use

→ Preparation of substrates

The substrates must be dimensionally stable, non-deformable, solid, free of cracks, clean, and free of separating substances. Check carefully for the possible presence of parting compound. Any cracks must be repaired with Kerarep. Substrates consisting of existing marble, granite, ceramic or similar floors must be thoroughly cleaned or roughed and treated with Keragrip Eco Pulep.

→ Preparation

Shake well before use.

Pour Part A into a clean container, and add Part B in the preset ratio and mix carefully, preferably with an electric mixer with a rotation speed of

300 – 600 rpm, until the mixture is uniform.

Add component C and mix until the paste is smooth and free of lumps. Dilute the mixture of the three components with 5 – 10% water and proceed with application.

→ Application

Apply the first coat evenly with a brush or roller. Once fully dry, apply the second coat of 3CW at right angles to the previous coat in order to create a smooth and continuous surface. Use coverage of $\approx 500 \text{ g/m}^2$.

→ Cleaning

Clean 3CW with water. After 3CW has hardened it can only be removed mechanically.

Special notes

→ Direct gluing with two-component and single-component reactive glues must be done within a few days of when 3CW hardens; longer waiting times can lead to adhesion problems. If a longer wait is anticipated, the final coat of 3CW should be sprinkled with Quarzo 5.12 or Quarzo 1.3 while it is still fresh.

→ Before the next application with a cement-based levelling and self-levelling products apply Active Prime Fix or Active Prime Grip, following the instructions provided in the technical data sheet, on 3CW when fully dry, or sprinkle the last coat of 3CW with Quarzo 5.12 while it is still fresh.

Certificates and marks



* Émission dans l'air intérieur Information sur le niveau d'émission de substances volatiles dans l'air intérieur, présentant un risque de toxicité par inhalation, sur une échelle de classe allant de A+ (très faibles émissions) à C (fortes émissions).

Abstract

The waterproofing of absorbent and non-absorbent, smooth and compact substrates, with a high residual humidity (max. 5%) prior to laying of hardwood floors is to be carried out using three-component, organic system, with high adhesion and waterproofing such as 3CW by Kerakoll Spa applied by roller at around 500 g/m².

Technical Data compliant with Kerakoll Quality Standard

Appearance:

- Part A	white fluid paste
- Part B	Translucent liquid
- Part C	Whitish powder

Specific weight:

- Part A	≈ 1.50 kg/dm ³
- Part B	≈ 1.02 kg/dm ³
- Part C	≈ 2.90 kg/dm ³

Shelf life ≈ 12 months from the date of production in original and intact packaging

Warning Protect from frost, avoid direct exposure to sunlight and sources of heat

Pack Packages totalling 5 kg

Temperature range for application from +10 °C to +35 °C

Mixing ratio: Part A : Part B : Part C = 2 kg : 0.6 kg: 2.4 kg

Dilution Water

Pot life ≈ 1 hr

Waiting time between the coats ≈ 6 – 24 hrs

Waiting time for next application ≈ 2 – 4 days

Interval before normal use ≈ 7 days

Coverage ≈ 500 g/m²

Warning

- Product for professional use
- abide by any standards and national regulations
- use in the recommended dosages
- wait until the product is fully dry and the solvent has evaporated before proceeding with subsequent steps. This period will differ depending on environmental conditions, how well the premises are ventilated, the nature of the substrate, and the quantity applied
- follow all applicable safety regulations and guidelines when using the product
- keep the rooms well ventilated and use a protective hand cream
- if necessary, ask for the safety data sheet
- for any other issues, contact the Kerakoll Worldwide Global Service +39 0536 811 516 - globalservice@kerakoll.com



The Rating classifications refer to the GreenBuilding Rating Manual 2013. This information was last updated in June 2023 (ref. GBR Data Report - 06.23); please note that additions and/or amendments may be made over time by KERAKOLL SpA; for the latest version, see www.kerakoll.com. KERAKOLL SpA shall therefore be liable for the validity, accuracy and updating of information provided only when taken directly from its institutional website. The technical data sheet given here is based on our technical and practical knowledge. As it is not possible for us to directly check the conditions in your building yards and the execution of the work, this information represents general indications that do not bind Kerakoll in any way. Therefore, it is advisable to perform a preliminary test to verify the suitability of the product for your purposes.