

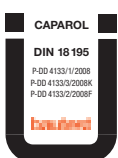
Capatect-Klebe- und Dichtungsmasse 114

Solvent-free, bituminous two-component adhesive and sealant



Product Description

Field of Application	<p>Bitumen adhesive for bonding Capatect-Perimeterdämmplatten 115 (thermal insulation boards for perimeter in soil) on water proofing layers - also bituminous - and other sound substrates within the Capatect thermal insulation systems.</p> <p>Also suitable for water proofing on vertical structural elements in soil as per DIN 18 195-4 to -6: 2000 against rising damp (soil moisture) and non-pressing or temporarily accumulating leakage water.</p>	
Product Properties	<ul style="list-style-type: none"> ■ Solvent-free ■ High initial adhesion ■ Waterproof ■ Flexible when hardened ■ Crack bridging up to 2 mm (E DIN 28 052-6 at 4 °C) ■ Suitable down to max. 3.0 m under soil ■ Easy to apply ■ Good handling consistency for scraper application ■ Long-lasting, rot-proof 	
Packaging/Package Size	<p>30 kg combi-packaging Liquid component A: 22 kg (bitumen emulsion) Powder component B: 8 kg (hydraulic binder) Mixing ratio for subsets: A/B = 22/8 by weight</p>	
Colours	Black	
Storage	Cool, dry and frost free. Keep out of direct sunlight. Shelf life 1 year from date of production.	
Technical Data	<ul style="list-style-type: none"> ■ Density: ■ Consistency: ■ Curing / Through hardening/curing: ■ Rain resistance: ■ Layer Thicknesses: ■ Pot life at 20 °C: 	<p>Component A: approx. 1.06 [kg/l] Component B: approx. 1.39 [kg/l] Mixture ready for application: approx. 1.13 [kg/l].</p> <p>Components: powder and liquid; Mixture ready to use: paste-like after 2 days approx.</p> <p>after 4 hours approx.</p> <p>1.38 mm wet mixture corresponds to 1 mm dry coat</p> <p>2 hours approx.</p>
Product No.	114	



Application

Suitable Substrates Mineral substrates like masonry of concrete blocks, vertical coring bricks, sand-lime bricks, aerated lightweight bricks, concrete, autoclaved aerated concrete blocks, new mineral renders as well as reinforcement layers of ETICS, mineral plaster (mortar groups PI, PII, P III as per DIN 18 550) and other existing sound mineral plasters and paint coatings.

Substrate Preparation The substrate must be even, clean, firm, sound and free from all materials that may prevent good adhesion. The substrate may be moist, but not wet.

- Allow new renders to dry and cure for min. 2 – 4 weeks before the application of Capatect-Klebe- und Dichtungsmasse 114.
- Remove all concrete or mortar burrs, soiling caused by earth, existing unsound bituminous paint coats, etc.
- Open joints leaks of 2 to 5 mm are to be filled with Capatect 114 as scratch filler or using suitable render/plaster.
- A scratch filler application is essential on concrete, filling all pores.
- Avoid bubbles caused by deep pores or local separations (voids).
- A scratch filler application of Capatect 114 can be reworked/coated after a waiting time of approx. 3 hours.
- The first layer of Capatect 114 can be coated after approx. 1 to 2 days, depending on temperature.
- Cavities and joints greater than 5 mm must always be filled with suitable mortar.

Consumption Consumption values vary depending on substrate roughness. The exact consumption rate is established best by trials. Notes on consumption
As a scratch filler: approx. 1 – 2 [kg/m²]
For bonding thermal insulation boards: approx. 1.5 – 2.5 [kg/m²]
As sealing prime coat: approx. 0.1 – 0.2 [kg/m²]
 As a sealer against
Soil moisture and non-pressing leakage water: 4.7 [kg/m²] (4.1 mm wet)
Temporarily accumulating leakage water: 6.2 [kg/m²] (5.5 mm wet)
Pressing Water: 6,2 [kg/m²] (5.5 mm wet)

Application Conditions Processing temperature min. + 5 °C and max. 30 °C during application and drying for material, substrate and ambient air. Do not apply on sun heated or frozen substrates and during rain.

Drying/Drying Time Fully cured after approx. 2 days, depending on substrate, temperature, relative humidity and layer thickness. Lower temperatures and higher humidity extend the curing time.

Tool Cleaning Immediately after use with water. Hardened material should be removed with a solvent.

Material Preparation Stir up the liquid component A with a low-speed agitator. Add the powder component B slowly while mixing into the liquid component. Stir until the mixture is absolutely homogeneous and free of lumps. Workability/pot life of mixed material approx. 1.5 hours at 20 °C. Higher temperatures shorten and lower temperatures extend the workability.

Application **Application as adhesive**
 Apply the thoroughly mixed material with a square-notched trowel onto the thermal insulation boards. For the visible areas above soil the adhesive has to be applied in the so-called »bead-point-method«. For application under soil apply at least 6 blobs of adhesive material homogen onto the boards. Press the insulation boards onto the wall surface with slight lateral movement to ensure proper bonding. Remove all adhesive passing out of the sides with a scraper. Place the boards thoroughly touching each other tightly. The rows of insulation boards must be thoroughly applied with an offset (50% staggered one beneath the other) and exact butt joints. Boards are to be fixed additionally with Capatect anchors, if applied above soil.

Precondition by Customers *Note about structural condition*
 An essential postulate prior to the application of any perimeter or plinth insulation is an existing, sound waterproof sealing (provided by the customer) in accordance with existing moisture loads. This waterproofing should comply with DIN 18 195 - or similar - concerning the degrees of load »rising damp / soil moisture«, »non-pressing water«, and »pressing water«. In case of »stagnating water« or »continuously pressing water« a drainage as per DIN 4095 is essential. According to DIN 18 195 the vertical water proofing layer is to be applied up to approx. 30 cm above the ground level.

Suitable Substrates Above Ground Level All mineral substrates, e.g. masonry of concrete blocks, vertical coring bricks, sand-lime bricks, aerated lightweight bricks, concrete, autoclaved aerated concrete, new mineral renders/plasters, as well as reinforcement layers of ETICS systems, rendering of mortar groups PI, PII, P III to DIN 18 550 and other existing sound mineral renders/plasters and paint coatings.

Construction Sealing In cases of waterproofing against temporarily accumulating leakage water and pressing water a coat of Capatect -Klebe- und Dichtungsmasse 114 is used in combination with Capatect Gewebe 650/110 (reinforcing glasfiber fabric, centered embedded). Apply in 2 layers with a drying time of 24 hours between layers. DIN 18 195, part 6 must be followed.

Protective Filler Application

The reinforcing layer of Capatect ETICS* may be applied onto the Capatect Perimeterdämmplatten 115 (thermal insulation boards for the perimeter) marginally under the soil, if desired. Allow the reinforcing layer on this subterranean surface to harden thoroughly and apply adhesive Capatect-Klebe- und Dichtungsmasse 114 by brush or trowel up to the soil surface. The upper end of this protective sealing layer should lie beneath the soil surface in the layer of filter gravel.
Acc. to DIN 18 195: normally 300 mm above ground level, minimum 150 mm.

* ETICS = External Thermal Insulation Composite System
Brit. term: EWI = External Wall Insulation
Am. term: EIFS = External Insulation and Finish System

Bonding of Insulation Boards

Capatect-Perimeterdämmplatten 115 are designed for thermal insulation of visible plinth (thickness of 20 mm and more) and surfaces of buildings under soil (perimeter insulation; thickness of 50 mm and more):

Glue Capatect Perimeterdämmplatten 115 with Capatect-Klebe und Dichtungsmasse 114 (adhesive and sealing compound) to the vertical sealing (water proofing layer) of the building.

Germany: Follow the instructions of German approval no. Z-23.33-1257 for the application of thermal insulation on under soil perimeter

Advice

Special Risks (Hazard Note) / Safety Advice (Status as at Date of Publication)

Liquid Component: Keep out of reach of children. In case of contact with eyes or skin, rinse immediately with plenty of water. Do not empty into drains, water courses or onto the ground.
Powder Component (Dry Mortar Premix): *This mineral powder shows an alkaline reaction and should only be used by trained operatives:*
Irritant to skin. Risk of serious damage to eyes. Keep out of reach of children. Do not breathe dust. Avoid contact with eyes or skin. On contact with eyes, wash immediately and completely with plenty of (clean) water and seek medical advice. Wear suitable protective gloves and eye/face protection. If swallowed, seek medical advice immediately and show the container or label.

Disposal

Materials and all related packaging must be disposed of in a safe way in accordance with the full requirements of the local authorities. Particular attention should be made to removing wastage from site in compliance with standard construction site procedures.
In Germany: Only completely emptied packaging should be given for recycling.
Liquid Component: Dispose liquid residues as waste of dilutable adhesives. Dispose hardened material as bituminous mixtures or mixed construction and demolition waste.
Powder Component: Dispose hardened material as mixed construction and demolition waste.

Giscode

■ **Liquid Component:** BBP10
■ **Powder Component:** ZP1

Further Details

Powder Component: See *Material Safety Data Sheed (MSDS)*

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All suggestions and application instructions herein are based on our latest technical experience. Due to the wide variety of individual project conditions, we cannot be held responsible for their content. These instructions do not release the purchaser/ applicator from his responsibility to determine the suitability of the product in consideration of the project characteristics. These instructions are to be considered void when a new edition is released. Our general conditions of sale and delivery in their latest edition apply. This document is a translation of our German Technical Information No. 114 · Capatect-Klebe- und Dichtungsmasse 114 · Issued: May 2010

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