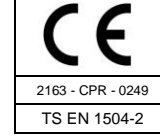




Technical Data Sheet

BAYCOSEAL-1K®

One Component Waterproofing Slurry



Description:

BAYCOSEAL-1K is a cement based, one component, rigid waterproofing material.

Areas of Application:

BAYCOSEAL-1K is used at both interior and exterior applications as a waterproofing material on concrete, masonry and plaster at,

- Underground structures and basements,
- Heating pipes, pits, sewage work structures,
- Tunnels and sluices,
- Pools and potable water tanks,
- Retaining walls,
- Old buildings which are not protected against posterior moisture and soaking water.

Properties/Advantages:

It consists of quartz sand, portland cement additives. BAYCOSEAL-1K does not contain any materials which can negatively effect reinforcement. The advantages of the material are:

- BAYCOSEAL-1K has a strong resistance against negative water pressure. It can be applied on every waterproofing application.
- It can be used to form a system with elastomeric waterproofing slurry BAYCOSEAL-2K/M.
- The material is very economical. It can be used to level surfaces under waterproofing layers as a primer.
- It has perfect adhesion to concrete.

Technical Data:

Basis: sand/cement, polymer
Color: grey
Density: 1,9-2,0 kg/l
Mixing ratio: 25 kg BAYCOSEAL-1K to 6,7 l tap water
Pot life: 60 minutes
Light pedestrian traffic: at +23°C 24 hours later

Substrate/Application

temperature: +5°C to +30°C
Adhesion strength: ~ 1,0 N/mm² (28 days)
(TS EN 1542)

Compressive strength: >20 N/mm² (28. days)
(TS EN 12190)

Packaging:

25 kg bag

Storage:

Unopened original sacks can be kept for 12 months in a dry condition.

Surface Preparation:

The surface must be sound, mostly even, free of pockets, cracks and ridges. Any material which can prevent adhesion shall be removed from the surface. The surface has to be moistened. Brick work areas have to build with joints in cement mortar. Do not begin to apply before repair work if needed.

Product Preparation:

BAYCOSEAL-1K is supplied in powder form. Mix on site with clean water in a clean container to a workable consistency that can be sprayed or brushed.

Method of Application:

BAYCOSEAL-1K can be sprayed or brushed in several coats with 1-2 kg/m² consumption for each coat.

- Earth moisture; apply 3,8-4,0 kg/m² (2 mm thickness)
- Ground water; apply 3,8-4,0 kg/m² (2 mm thickness)
- Ground and back water; apply 4,75-5,0 kg/m² (2,5 mm thickness)



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Cleaning:

Clean the tools with appropriate cleaner after the application.


Important Advices:

- Freshly applied BAYCOSEAL-1K, should be protected against rain, direct sunlight and frost.
- Avoid ponding during application and hardening.
- Coarse-pored surfaces cause high consumptions.
- Lower temperatures extend, higher temperatures reduce curing times.

Health and Safety:

BAYCOSEAL-1K cement based and reacts alkaline with moisture. Therefore:

- Protect skin and eyes.
- In case of eye or skin irritation wash thoroughly with clean cool water.
- Wear safety gloves.
- In case of eye contact seek medical treatment immediately.
- For more information refer to MSDS.

	
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TS EN 1504-2: 2008 Cement based, One component, Waterproofing	
BAYCOSEAL-1K	
PROPERTIES	PERFORMANCE
Bond Strength	$\geq 1.5 \text{ MPa}$
Water Vapor Permeability	Class 3
Capillary Water Absorption	Class 3
Carbon dioxide permeability	> 50 m
Our products do not contain radioactive substance.	