DESCRIPTION

SEAL COAT is a waterproof, cement base, heavy-duty masonry coating which stops water penetration and prevents water damage while protecting and beautifying concrete and other masonry surfaces. SEAL COAT is available in white or gray and it provides more waterproof protection than paint-type coatings.

After application, the material will dry in 3-4 hours and will set up in 24 hours to form a hard, waterproof protective coating that essentially becomes an integral part of the concrete or masonry surface.

USES AND APPLICATIONS

SEAL COAT can be used to waterproof any substrate, such as concrete, plasters, renders, bricks, pavement blocks, gypsum, cementitious underlays/overlays, stones, etc.

Typical application includes water retaining structures, reservoirs, drinking water tank, swimming pools, tunnels, basements, bathrooms, kitchens, sewage pits, facades, balconies, etc.

ADVANTAGES

- Waterproof coating
- Out-performs paint-type coatings
- Available in gray or white
- Uniform, consistent appearance
- Can conceal mortar joints
- Nontoxic and Environmentally friendly
- Highly flexible and good elongation
- Good bonding to many substrates
- Breathable coating
- Can apply to exposed conditions
- Can apply to damp surface
- Protect against carbonation, freeze thaw, de-icing, chloride penetration, etc.
- Resistance to high water pressure
- Can apply to both positive and negative side
- Long-lasting and low or no maintenance

DIRECTIONS FOR USE

Surface Preparation: Clean surface area of all dirt, oil, paint, coatings, laitance, loose matter, etc. Tie rod and other holes, cracks, spalled areas and other large surface voids should be properly patched. Tie rod ends and other steel must be cut back to a minimum depth of 1” (2.5 cm) before patching.

All cracks, patches, voids and honeycombs should be cut at right angle and should be repaired by using PENETRON™ MORTAR (For details, please refer to the PENETRON™ MORTAR PDS). For better adhesion and long lasting effect, it is recommended to conduct bond test at site to confirm the substrate is free from barriers, such as sealer, curing compounds, etc.

Mixing:

SEAL COAT is supplied in premeasured units. Slowly add Part B (Powder) to Part A (Polymer) container and mix uniformly to obtain a lump-free and free-flowing consistency. Mixed material should be used within usable working time (20-30 mins). Stiffened material should not be reworked by adding water or excess polymer.

Standard Application Procedure:

1. Dampen surface with clean water just prior to product application.
2. Uniformly apply the first coat with a short bristle brush, making sure to fill in all surface pores and voids.
3. Leave it to dry for 5-7 hours before applying the second coat.
4. Apply total of two coats at the rate of 1-1.5 kg/m²
5. Material can be trowel or spray-applied, depending upon area and time frame of individual project.

Areas subjected to movement, exposed areas, active cracks, pedestrian traffic, etc. SEAL COAT should be applied by using fiberglass mesh for reinforcement. Apply 1st coat of SEAL COAT and then place fiberglass mesh firmly on wet material. After drying time of 1st coat, apply the 2nd coat. Always apply 2nd coat perpendicular to 1st coat.
Application Conditions:
- Apply SEAL COAT at 10-30°C (50-86°F)
- Do not apply below 5°C (41°F)
- Do not apply if rain or windy weather is expected within 24 hours of application
- Protect the applied area against quick drying by wind and sunlight

Curing:
SEAL COAT should be cured by spraying a mist or fog using water for at least 3 days. Wet hessian cloth or jute bags can be used to cure SEAL COAT. The curing time required to put the product into service or for water immersion test is affected by temperature and humidity. A minimum 7 days of cure time is required before SEAL COAT comes into permanent contact with water.

NOTE: For more detail and advice, please contact Penetron Technical department.

GUIDELINE TO APPLICATION RATES

<table>
<thead>
<tr>
<th>Application Areas</th>
<th>Quantity m²/Coat</th>
<th>Number of Coats Required</th>
<th>Minimum Thickness Required</th>
</tr>
</thead>
<tbody>
<tr>
<td>General</td>
<td>1 – 1.5 kg</td>
<td>2</td>
<td>2 mm</td>
</tr>
<tr>
<td>Bathroom</td>
<td>1.0 – 1.5 kg</td>
<td>2</td>
<td>2 mm</td>
</tr>
<tr>
<td>Swimming pool</td>
<td>1.3 – 1.5 kg</td>
<td>2</td>
<td>2 mm</td>
</tr>
<tr>
<td>Water pressure substrate</td>
<td>1.5 kg</td>
<td>2-3</td>
<td>2.5 mm</td>
</tr>
<tr>
<td>Ground water ingress</td>
<td>1.5 kg</td>
<td>2</td>
<td>2 mm</td>
</tr>
</tbody>
</table>

CLEAN-UP
Clean all tools and equipment with clean water.

SPECIAL CONSIDERATIONS
- Do not add water or any other material to the mixture.
- Consult Penetron International Technical Department for application on sewage tanks, either open or close head.

PACKAGING
Part A (Polymer): 7.8 liters in a pail; Part B (Powder): 20 kg in a pail.

STORAGE / SHELF LIFE
SEAL COAT must be stored in a dry enclosed area off the ground at a minimum temperature of 45°F (7°C). Shelf life when stored in proper conditions in unopened, undamaged packaging is 12 months.

SAFE HANDLING INFORMATION
This product contains Portland cement and is highly alkaline. The use of rubber gloves, goggles and other appropriate protective gear during mixing and application is recommended. Avoid contact with eyes and skin. In case of eye contact, rinse immediately with plenty of water and seek medical advice. Refer to MSDS for additional safety precautions.

WARRANTY
PENETRON INTERNATIONAL, LTD. warrants that the products manufactured by it shall be free from material defects and will conform to formulation standards and contain all components in their proper proportion. Should any of the products be proven defective, the liability to PENETRON INTERNATIONAL, LTD. shall be limited to replacement of the material proven to be defective and shall in no case be liable otherwise for or incidental or consequential damages. PENETRON INTERNATIONAL, LTD. MAKES NO WARRANTY AS TO MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE AND THIS WARRANTY IS IN LIEU OF ALL OTHER WARRANTIES EXPRESSED OR IMPLIED. User shall determine the suitability of the product for its intended use and assume all risks and liability in connection therewith.