GEOFIP-FD₃ ANTI-CORROSIVE PAINT FOR WOOD

GEOFIP-FD₃ anti-corrosive paint based on geopolymer mineral adhesive creates decorative and protective thin coat on the surface protecting wood from detrimental effect of mould, fungi and bacteria.

SCOPES OF APPLICATIONS
GEOFIP-FD₃ paint was designed aiming to protect unpainted porous substrate such as timber, plywood, chipboard, fiberboard, OSB, MDF and polymer-mineral plaster (including textured finish).
Paint is produced in accordance with TU U 23.6-41182689-001:2017 (Technical Specifications of Ukraine).
The paint meets the existing requirements of Ukrainian Sanitary Regulations as evidenced by the sanitary epidemiological examination conclusion; therefore it is permitted for industrial and civil engineering.

GEOFIP-FD₃ PAINT CHARACTERISTICS:
- vapour permeability, moisture resistance;
- antifungal effect, protects the surface against moulds, fungi, various destructive biological processes;
- contains no organic solvent (water-soluble), emits no radioactive and toxic substances, does not cause allergic reactions, has no persistent chemical odour, safe for human during application and further operating finished product;
- coating doesn’t age when exposed to ultraviolet (UV) radiation;
- explosionproof, non-flammable, incombustible.

SUBSTRATE PREPARATION
Substrate prepared for bonding should be dry, stable, non-coated, free from cracks and splits, cleaned from dust, grease spots and other contaminants. Previous coatings and fragile elements, preventing adhesion between paint coat and substrate, should be removed. All cracks should be expanded and filled with render. It is recommended to apply GEOFIP-GD primer to improve adhesion (paint comes with primer pack).

Caution! Applying paint to deep-frozen substrates is forbidden. Relative humidity of the substrate should not exceed 4%.

PAINT PREPARATION
Mix thoroughly using mechanical tool prior to applying to the prepared substrate.
WORK PERFORMANCE:
1. Two coats of prepared paint should be applied with pulverizer machine (pneumatic or airless spraying), roll or brush within 2-24 hours after priming with GEOFIP-GD. The second coat should be applied when the first coat has dried (for not more than 30 minutes).
2. The diameter of pulverizer nozzle must be 1.8-2.2 mm; during spraying the distance between nozzle and substrate should be 200-400 mm depending on air pressure and nozzle specifications.
3. Painting should be performed at ambient temperature between +5 °C and +30 °C; relative humidity level of 75% should not be exceeded.
4. Coating dries within not more than 30 min at ambient temperature +(20±2) °C, polycondensation occurs within 24 hours.
5. It is needed to clean the used tools with warm water after works performing.

SAFETY REGULATIONS
Keep out of the reach of children in tightly closed packaging.
The usual precautionary measures for handling chemicals should be followed.
Protect eyes and skin with special glassed, respirator mask, gloves and clothes during the work performance. In case of contact with eyes, immediately rinse with plenty of clean water and seek medical advice if necessary.

GEOPFIP-FD3 PAINT TECHNICAL SPECIFICATIONS

<table>
<thead>
<tr>
<th>Property</th>
<th>Specification</th>
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<tbody>
<tr>
<td>Composition</td>
<td>geopolymer adhesive, mineral filling, pigments and corrective additives</td>
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<tr>
<td>Solvent</td>
<td>water</td>
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<tr>
<td>Package</td>
<td>GEOFIP-FD3 paint – plastic bucket (1, 4, 10, 20 l), barrel (200 kg); GEOFIP-GD primer – plastic valve bag (0.5 kg)</td>
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<tr>
<td>Shelf life</td>
<td>1 year</td>
</tr>
<tr>
<td>Exploitation term</td>
<td>5 years</td>
</tr>
<tr>
<td>Colour</td>
<td>matte, tinted as agreed</td>
</tr>
<tr>
<td>Density</td>
<td>1.4-1.5 g/cm³</td>
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<tr>
<td>Paint consumption (one coat)</td>
<td>≈ 0.25-0.3 kg/m²</td>
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<tr>
<td>Drying period *</td>
<td>20-30 min</td>
</tr>
<tr>
<td>Hydrogen index</td>
<td>11.5-12.0 pH</td>
</tr>
<tr>
<td>Adhesion</td>
<td>1 rate</td>
</tr>
<tr>
<td>Resistance to static water pressure *</td>
<td>24 hours</td>
</tr>
<tr>
<td>Vapour permeability</td>
<td>not less than 0.05 kg/m s Pa</td>
</tr>
<tr>
<td>Application temperature</td>
<td>between +5 °C and +30 °C</td>
</tr>
</tbody>
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*The above values are based on normal climatic conditions (temperature +20 °C, relative air humidity 60%). Other climate conditions can result in the times and values deviation from those indicated in the table.

Caution! Coating is acquiring above-mentioned resistance and vapour-permeability values within 28 days after applying under normal conditions.
TRANSPORT AND STORAGE
Paint should be transported and stored in hermetically sealed packing at ambient temperature between +5 °C and +30 °C. Shelf life is one year. Date of manufacturing is indicated on the packaging. Avoid product exposure to direct sunlight.

WASTE DISPOSAL
Leftover paint should be disposed as construction waste after the expiration date has passed; packaging should be treated as municipal solid waste.

MANUFACTURER’S WARRANTY:
1. The manufacturer ensures conformance of GEOFIP-FD3 paint to stated specifications subject to compliance with the rules of transportation and storage as well as compliance with application technique. Paint should be applied in conjunction with GEOFIP™ products system.
2. The manufacturer accepts no liability for inappropriate application of the product.
3. It is necessary to consult the manufacturer in case of applying product under conditions not stated in this technical description.

PRODUCT MADE FOR PROFESSIONAL USE ONLY!

For additional information regarding the application of GEOFIP™ products, please, visit website www.geofip.com.ua. If any issues arise, please, contact our managers: +38 (044) 232-99-58; sales@geofip.com.ua.