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GEOFIP LLC – Geopolymer Paints, Glues and Coatings
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C/a 26008052923598, JSC CB PrivatBank, MFO 323583 (sort code)

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.

ANTI-CORROSION
Geopolymer based www.geofip.com.ua

INTERESTING FACT
Pura Ulun Danu Bratan temple complex was built in 1633. According to the legend, Dewi Danu, lake and river goddess of the Balinese Hinduism, was so attracted by Meru tower, that she appropriates the shrine occasionally raising the water level of Lake Bratan and flooding it. Local inhabitants say, the temple has faced with several natural disasters over the past 100 years, but was not seriously damaged due to goddess's protection. There is no guarantee that Dewi Danu will prevent other buildings from aging, combustion and corrosion, but these goals are almost within GEOFIP™ geopolymer products' reach.

GEOFIP-FD3 **PAINT FOR WOOD**
ANTI-CORROSION

Anti-fungal Frost-resistant Vapour-permeable Fire-resistant Moistureproof Hypoallergenic Ultra durable

SCOPES OF APPLICATIONS

GEOFIP-FD3 paint was designed aiming to protect unpainted wood 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 odor, safe for human during application and further operating finished product;
- coating doesn't age when exposed to ultraviolet (UV) radiation;
- explosion proof, non-flammable, incombustible.

SUBSTRATE PREPARATION

Substrate prepared for bonding should be dry, stable, non-coated, free from cracks and splits, cleaned from dust, previous coatings, 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 spaying 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.

GEOFIP-FD3 PAINT TECHNICAL SPECIFICATIONS

Composition	geopolymer adhesive, mineral filling, pigments and corrective additives
Solvent	water
Package	GEOFIP-FD3 paint – plastic bucket (1, 4, 10, 20 l), barrel (200 kg); GEOFIP-GD primer – plastic valve bag (0.5 kg)
Shelf life	1 year
Exploitation term	5 years
Colour	matte, tint as agreed
Density	1.4-1.5 g/cm ³
Paint consumption (one coat) *	≈ 0.25-0.3 kg/m ²
Drying period *	20-30 min
Hydrogen index	11.5-12.0 pH
Adhesion	1 rate
Resistance to static water pressure *	24 hours
Vapour permeability	not less than 0.05 kg/m s Pa
Application temperature	between +5 °C and +30 °C

* 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.



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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.*