



GEOFIP
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GEOFIP LLC – Geopolymer Paints, Glues and Coatings
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GEOFIP-KB3 ANTI-CORROSIVE PARQUET ADHESIVE

GEOFIP-KB3 two-component geopolymer-based adhesive is developed for bonding wood products to mineral surface, and for concrete substrates joining.



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

INTERESTING FACT
Until the early XVII century, the house flooring was typically made of clay or concrete, and only rich owners could afford the marble. Architects, who had been redesigning the Palace of Versailles since 1682, offered to replace marble floor with more cost mineral, various wood pieces forming mosaic. The parquet pattern named «Parquet de Versailles» became the desirable luxury attribute soon.
The royal residence of France inspires modern designers to implement modular floor coating till now, and GEOFIP team to create secure parquet adhesives protecting wood from detrimental effect of fungi.

 **GEOFIP-KB3** **PARQUET ADHESIVE**
ANTI-CORROSIVE



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

SCOPES OF APPLICATIONS

GEOFIP-KB3 adhesive was designed to lay parquet onto concrete screed, to bond wood products to mineral substrates, and to join concrete items. It is used for repair and installation works.

GEOFIP-KB3 ADHESIVE CHARACTERISTICS:

- vapour permeability, moisture resistance;
- highly adhesive to wood, concrete, mineral substrates;
- antifungal effect, protects the surface against moulds, fungi, various destructive biological processes;
- adhesive contains no toxic components; it is soluble with minimum amount of water;
- explosionproof, non-flammable, incombustible.

ADHESIVE MIX PREPARATION

To prepare two-component adhesive composition it is required **to mix dry component A with liquid component B at the proportion of 3:1**. Components are supplied ready to be mixed.

Mixing procedure:

- 1) Measure required amount of liquid component B and pour into clean container;
- 2) Stir the liquid with mixer drill attachment;
- 3) Pour required amount of dry component A while stirring liquid. Add dye if it is necessary (not more than 1%);
- 4) Mix components with mixer drill attachment or construction mixer to achieve homogeneous mixture (during 3-5 min). **Pot life – 1 hour.**

Caution! Follow the manufacturer's requirements strictly while measuring quantity of **GEOFIP-KB3** adhesive components. Non-compliance with manufacturer's mixing proportion may cause reducing strength, appearance of cracks in the bond-line, deviation of pot life, drying and handling time.

SUBSTRATE PREPARATION

- Substrate prepared for bonding should be dry, stable, cleaned from dust, previous coatings, grease spots and other contaminants. Exfoliated elements, preventing adhesion between adhesive coat and substrate, should be removed.



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Horizontal floor surface deviation must not exceed 4 mm per 2 running meters, vertical wall surface deviation – 3 mm per 2 running meters in accordance with DSTU B D.2.5-22:2012 (Ukrainian National Standardization System).

- Adhesive composition may be applied to concrete or cement screed without deformation joints.
- **GEOFIP-GB** primer should be applied to the concrete substrate prior to bonding (components for adhesive mix come with primer pack). Other substrates (non-concrete) should be primed according to material type.

Caution! Applying to deep-frozen substrates, or to surface having strength less than 20 MPa, is forbidden. **GEOFIP-KD2** adhesive is recommended for bonding wood products to plywood substrate.

WORK PERFORMANCE

Stir adhesive mix thoroughly using mechanical tool prior to applying. Apply to the prepared substrate and level with trowel or notched trowel, then bond the parquet board or other finished product. To achieve better adhesion, slightly press the floorboard into adhesive coat. **Open time – 15 min** (within 15 min the position of the wood product can be adjusted).

Bond-line must be protected from atmospheric precipitation (rain, frost, dew) and excess moisture within 3-5 days after work performance. The substrate temperature should be kept between +10 and +30 °C, air temperature should be not below +10 °C, relative humidity – not more than 75%.

The adhesive mix is setting within 6-15 hours, and dries in 24 hours at air temperature of +21 °C and relative air humidity of 50%. Drying time may be increased in the cold period of year. Polishing parquet and other manipulations should be performed in 6-7 days after bonding.

GEOFIP-KB3 PARQUET ADHESIVE TECHNICAL SPECIFICATIONS

Composition	geopolymer adhesive, filling, corrective additives
Solvent	water (not more than 2%)
Package	Component A – plastic bag (15 kg); Component B – plastic valve bag (5 kg); GEOFIP-GB primer– plastic valve bag (0.5 kg)
Component shelf life	1 year
Exploitation term	10 years
Consistency	thick homogeneous mixture
Colour	creamy-grey, tinted as agreed
Consumption per 1 mm adhesive coat *	≈ 1.8 kg/m ²
Adhesive coat thickness	2-10 mm
Open time (handling) *	15 min
Pot life (working time) *	1 hour
Full strength time *	within 28 days
Adhesion to surface	not less than 0.8 MPa

** 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.*



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GEOFIP-KB3 parquet adhesive is produced in accordance with TU U 23.6-41182689-001:2017 (Technical Specifications of Ukraine). The adhesive composition 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.

SAFETY REGULATIONS

Observe the general safety regulations, protect eyes and skin with special glasses, respirator mask, gloves and clothes during stirring components and applying adhesive composition. In case of contact with eyes, immediately rinse with plenty of clean water and seek medical advice if necessary. Keep out of the reach of children in tightly closed packaging.

PACKAGE

Dry component A is sealed in plastic bag (15 kg), liquid component B is packed in plastic valve bag (5 kg).

GEOFIP-KB3 adhesive components packs are inserted into plastic bucket (20 l). **GEOFIP-GB** primer sealed in plastic valve bag (0.5 kg) is also inserted into the bucket.

WASTE DISPOSAL

Leftover mixture and components should be disposed as non-hazardous construction waste after the expiration date has passed; package should be treated as municipal solid waste.

MANUFACTURER'S WARRANTY:

1. The manufacturer ensures conformance of **GEOFIP-KB3** adhesive to stated specifications subject to compliance with the rules of transportation and storage as well as compliance with application technique. Adhesive should be applied in conjunction with **GEOFIP™** product system.
2. The manufacturer accepts no liability for inappropriate application of the adhesive mix or adhesive components.
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.*