

## TERACOL FOR THERMAL INSULATION

### Adhesive-putty for thermal insulation boards of EPS, XPS, rock-wool

<b>PURPOSE:</b>	
Adhesive for thermal insulation boards of extruded and expanded polystyrene, as mineral wool and etc., also It can puttying thin-layer on them. This product is a part of thermal insulation system “BOROTHERM”.	
<b>QUALITIES:</b>	
<ul style="list-style-type: none"> <li>- <b>Contains fibers</b></li> <li>- For puttying and adhesive of thermal insulation boards EPS, XPS and etc.</li> <li>- Water and frost- resistant</li> <li>- High adhesive strength with a EPS boards and bases</li> <li>- Produced according to <b>BS EN 13 499</b></li> </ul>	
<b>TECHNICAL DATA OF THE PRODUCT*:</b>	
<b>Tensile adhesion bond strength of the adhesive and of the base coat to a EPS board:</b> (BS EN 13494)	125 kPa
<b>Tensile adhesion bond strength of the adhesive-putty mixture to a EPS board:</b> (BS EN 13494)	145 kPa
<b>Water Absorption:</b> (BS EN 1062-3)	0,05 kg/m <sup>2</sup> . h <sup>1/2</sup>
<b>Water vapour permeability:</b> (BS EN ISO 7783-2)	105 g/m <sup>2</sup> .d
<b>Resistance to impact:</b> (BS EN 13497)	without damage ball 500g, h-408mm
* the technical date is determined at temperature of air 23±5°C and relative humidity 50+5%	
<b>CONSUMPTION RATE:</b>	
adhesive – 3-4 kg/m <sup>2</sup> puttying - 4-5 kg/m <sup>2</sup> *Consumption rate depend of unevenness of base and thickness of the reinforcing fiberglass mesh.	
<b>SHELF LIFE:</b>	
12 month from the date production in factory, in closed sealed package.	
<b>PACKAGE:</b>	
Multilayer bags with net weight 5kg; 25kg	
<b>STORAGE:</b>	
Store in covered and dry warehouses on wooden pallets.. <b>H335</b> - May cause respiratory irritation. <b>H315</b> - May cause skin irritation. <b>H318</b> - Causes serious eye damage. <b>H317</b> - May cause allergic skin reaction. <b>P261</b> - Avoid breathing dust.	

<p><b>P271</b> - Use only outdoors or in well-ventilated areas.</p> <p><b>P280</b> - Use wear protective gloves, protective clothing, safety glass.</p> <p><b>P304+P340</b> – In case of inhaled, remove person to fresh air.</p> <p><b>P302+P352</b> - In case of skin contact - cleaning thoroughly with soap and water.</p> <p><b>P362</b> - Wash contaminated clothing before reuse.</p> <p><b>P333+P313</b> - In case of skin irritation or rash occurs, seek medical advice.</p>
<p><b>PREPARATION OF THE BASE:</b></p>
<p>The bases should be sound, clean and dry</p>
<p><b>SUITABLE BASES:</b></p>
<ul style="list-style-type: none"><li>- Concrete surfaces</li><li>- Cement and lime-cement renders</li><li>- Aerated concrete</li></ul>
<p><b>For other bases please consulting with us!</b></p>
<p><b>UNSUITABLE BASES:</b></p>
<ul style="list-style-type: none"><li>- Polymer surface.</li></ul>
<p><b>APPLICATION INSTRUMENTS:</b></p>
<p>Notched trowel with size of the teeth 8-10 mm, palette knife.</p>
<p><b>CLEANING OF THE INSTRUMENTS:</b></p>
<p>The instruments and dirty places should be cleaned with water and scrape before drying.</p>
<p><b>APPLICATION CONDITIONS:</b></p>
<ul style="list-style-type: none"><li>- The bases should be sound, clean and dry, free of dust and contaminants.</li><li>- The adhesive can be applied only in dry weather, temperature of environment and of the base not lower than 5°C and not higher than 30°C all round the clock.</li><li>- Not recommend to mix the adhesive with cement, sand and other as it can make worse the quality.</li><li>- Do not mix with other similar products.</li></ul>
<p><b>WAY OF WORKING:</b></p>
<p>The adhesive should be mixed with water, such as 1-1,3 l water add to 5 kg dry mixture. The wet of water mixture stir by mechanical stir for 5-6 min to produce a homogenous without lumps consistency. Leave to rest the mixture and mature for 15 min and stir again, the adhesive is ready to use. Mixed this way the pot life is approximately 4-5 hours at 20°C temperature – this will be extended in cold condition and reduced in hot weather/warm temperatures.</p> <p><b>Adhesive:</b> On level bases “<b>Teracol for thermal insulation</b>” should be applied by notched trowel (size of the teeth are 8-10 mm) on the back of the thermal insulation panel and pressed on the wall. In case of unlevel bases should make round piles at various points on the board and the all periphery.</p> <p><b>Puttying:</b> The application such as putty is possible soon after 3 days (at temperature 20°C and 65% relative humidity). The putty is apply with palette knife in layer of 3-4 mm, in the same time the putty layer is reinforced with alkali resistant glass fibremeshes.</p> <p>The adhesive contains fibers and that prevent cracking the adhesive and putty.</p> <p>Open time is approximately 40 min.</p>
<p><b>RECOMMENDATIONS:</b></p>
<p>The manufacturer guarantees the quality of the product but can not affect the condition and way for its use. Application of the product should be carried out by qualified personnel / professional users.</p> <p>It is recommended to consult technical data sheets and safety data sheet of the product. The manufacturer assumes no responsibility to compensate the customer with value other than this material. The customer is obliged to test or seek information before applying the product.</p>

**HYGIENE AND SAFE WORK:**

The product contains cement and reacts alkal with water. Skin and eyes should be protected from contact with the product. For more information – reference to Safety Data Sheet.