

# Idroval Elastic

## Liquid waterproofing under tiles

<b>Description</b>	Single-component polymer-bitumen water-based liquid waterproofing with added fibres. It forms an elastic, fibre-reinforced waterproofing layer under ceramic tiles.	
<b>Use</b>	Terraces and balconies with ceramic tiles flooring. Showers, bathroom floors and walls protected with ceramic tiles.  It is also used in combination with the Adetile membrane system for balconies, in order to ensure joint connections and sealings.	
<b>Advantages</b>	<ul style="list-style-type: none"> <li>- Ready to use</li> <li>- Cold applied</li> <li>- It directly receives ceramic tiles glued on top with adhesive thin-set mortar</li> </ul>	
<b>Composition</b>	Bitumen, polymers and water	
<b>Application</b>	<p>Cold applied using rolls, brush, and airless spray gun.</p> <p><b>Concrete screed and existing ceramic floor:</b> Apply in one coat and use VZ Seal Band butyl coated non-woven polypropylene tape on upstands and details.</p> <p><b>Adetile system for balconies:</b> Apply in two coats in combination with VZ Techno Mat 0.15x50M reinforcing mesh along Adetile membrane joints, upstands and details.</p> <p><b>Consumption on horizontal surfaces</b> 500 gr/m<sup>2</sup> on existing ceramic floor. 1 Kg/m<sup>2</sup> on concrete screed and in combination with Adetile membrane.</p> <p><b>Consumption for vertical surfaces</b> 800 gr/m<sup>2</sup> on concrete walls.</p>	
<b>Characteristics</b>	Aspect	Brownish-black
	Viscosity at 20 °C	- 2500 CPs
	Density ( 20°C)	- 1,15 g/cm <sup>3</sup>
	Dry content	60%
	pH	- 10
	Tensile strength at max	ASTM D 2370 0,26 N/mm <sup>2</sup>
	Elongation at max	ASTM D 2370 87 %
	crack-bridging at +23°C	EN 14891 1,96 mm
	crack-bridging at -5°C	EN 14891 1,82 mm
	Adhesion on concrete (at 28days)	EN 14891 ≥ 0,75 N/mm <sup>2</sup>
	Adhesion on ceramic tiles (at 28days)	EN 14891 ≥ 0,65 N/mm <sup>2</sup>
	Packaging	Plastic drums 5 and 20 kg
	Expiry date	12 months

<b>Substrate</b>	Concrete screed, ceramic tiles
<b>Substrate preparation</b>	<p>Make sure that the substrate surface is free from loose materials, laitance, dust, oils and curing agents. The product must be applied on a dry surface and it doesn't need any primer.</p> <p><b>Concrete screed</b> Verify the presence of humidity to avoid air pockets due vapour pressure. The presence of humidity can be verified by applying a polyethylene film sealed with tape. Check after 24 hours the presence of trapped humidity.</p> <p><b>Old ceramic floors</b> The old existing ceramic floor must be solid and well adhered. Remove detached tiles and repair all damaged surfaces.</p>



<b>Reccomendations</b>	<p>Always apply the product at a temperature range between +5°C and +35°C; extremely hot or cold weather conditions during the application and the drying of the film must be avoided.</p> <p>Do not add any additive.</p> <p>Do not use if the drum is damaged.</p> <p>Do not add water.</p>
<b>Storage</b>	<p>The product must being kept in its original packaging and stored under shelter, away from heat sources, open flames and ignition sources. Store at temperatures between +5°C and +40°C.</p>