

## POLYFILLER /RIPOBOND 4915

### Self Levelling Epoxy Screed

<b>Product description</b>	A solvent free, 3 pack Epoxy resin based self smoothing, chemical resistant, heavy duty floor topping for medium to heavy weight traffic by forklift and other vehicles. Designed to be applied to 2 – 3 mm thickness.		
<b>Fields of application</b>	For laying of floors concrete and cement screed in all industries. Ideal for food processing plants, pharmaceutical industry, hospitals, electronics industry, textile and weaving mills, aircraft hangars, bottling plants, breweries and dairies, control rooms, laboratories, printing industry, plastic manufacturers television studios etc.		
<b>Colours</b>	RAL7035, RAL7032, RAL7040 (Other colours are available upon request)		
<b>Mixing ratio (by weight)</b>	Component A (Base material)	:	41.4 parts
	Component B (Hardener)	:	12.6 parts
	Component C (Filler)	:	46.0 parts
<b>Consumption</b>	For 1 mm layer thickness 1.65 kg/m <sup>2</sup> (depending upon the substrate)		
<b>Pack size</b>	A three component material with components supplied as separate packages and ready for mix.		
	Component A (Base material)	:	10.350 kg
	Component B (Hardener)	:	3.150 kg
	Component C (Filler)	:	11.500 kg
<b>Storage</b>	In unopened packs, shelf life of 12 months when stored in a cool and dry area.		
<b>Properties</b>	<ul style="list-style-type: none"> <li>• Solvent free, odourless formulation</li> <li>• Very good levelling properties, fast to lay.</li> <li>• Good abrasion resistance.</li> <li>• For medium to heavy weight traffic by forklift and other vehicles.</li> <li>• Very good resistance to industrial chemicals.</li> <li>• It adhere very well to concrete and cement screed.</li> <li>• Provides dust free, seamless floor which is extremely easy to clean.</li> </ul>		
<b>Specific gravity</b>	At 20 °C 1.65 ± 0.05 kg/ltr.		
<b>Volume solids</b>	100%		
<b>Physical data</b>	Compressive strength		74 N/mm <sup>2</sup>
	Flexural strength		25 N/mm <sup>2</sup>
	Tensile strength		17 N/mm <sup>2</sup>
	Adhesion to concrete		4 N/mm <sup>2</sup>
	Modulus of elasticity		5.000 N/mm <sup>2</sup>
<b>Resistance</b>	<p><i>Chemical resistance</i> Good resistance to many industrial chemicals after complete curing. Resists moderate concentrations of inorganic acids, except oxidizing agents. Unaffected by petroleum products ranging from sour crude to refined white stocks, all aromatic total range of fuels, animal oils and fats, salt and waste water. Outstanding alkali resistance. Not resistant to phenol, acids of high concentrations.</p> <p><i>Thermal resistance</i> (No simultaneous chemical and mechanical exposure) Wet heat: 50°C Permanent / 80°C occasional splashes, during steam cleaning. Dry heat: 50°C Permanent / 80 -100°C short periods only. Abrasion resistance (Taber abrader test) Weight loss at 200 cycles : 20mg (CS 17 / Wheels 1000 gr loading)</p>		

<b>Surface preparation</b>	<p>New concrete must be cured for 28 days and have a moisture content of less than 5% before laying with <b>POLYFILLER / RIPOBOND 4915</b>. Substrate must have a minimum, compressive strength of 25 N/mm<sup>2</sup> and minimum pull off strength of 1.5 N/mm<sup>2</sup>.</p> <p>Substrate should be fine - gripping and solid, free from loose and friable particles, surface laitance, dust, oil, grease, previous coatings. Concrete substrate should be prepared by a suitable sand - blasting technique using either a captive, vacuum blasting machine or similar mechanical means. Small areas where oil or grease persist should be treated with chemical degreaser.</p> <p>Large areas of such contamination must be removed by flame cleaning All dust and other debris from the preparation process must be removed prior to continuing with the work.</p> <p>Prepared surfaces should be primed with <b>POLYFILLER/PR 20</b> (Solventless Epoxy Primer) prior to the application of <b>POLYFILLER /RIPOBOND 4915</b></p>
<b>Mixing</b>	<p><b>POLYFILLER / RIPOBOND 4915</b> is supplied in pre-weighed packs ready to use on site. Mix the base (A) and hardener (B) components until an even colour and consistency is achieved.</p> <p>The entire contents of the filler (C) component should then be added and continue mixing for 3 to 4 minutes.</p> <p>The use of part packs and mixing by hand must not be permitted.</p>
<b>Application methods</b>	<p>The primer should be allowed to cure until it becomes "tack-free" before applying the epoxy resin topping.</p> <p>Once mixed, the <b>POLYFILLER/RIPOBOND 4915</b> must be used at once. It shall be poured on to the primed surfaces and spread to the required thickness. Immediately. The material should be rolled with a spiked nylon roller. The rolling should be carried out using a back and forth technique along the same path. Subsequent paths should overlap the first by 50%. Rolling helps remove any slight trowel marks and aids air release.</p> <p>15 minutes later. If necessary, the material should be rolled again.</p> <p>In case of very rough or uneven floor surfaces; it is recommended to level up the surface with <b>POLYFILLER/PR 20</b> as a scrape coat by adding quarts sand (0.1 – 0.3mm) using a flat steel trowel.</p> <p>K3, a special graded filler must be sprinkled at once on to the already applied coating. After removal of excess filler the next day, <b>POLYFILLER/RIPOBOND 4915</b> (in a chosen colour) should then be applied.</p> <p>This method (sandwich system) could also be used where higher film thickness of 3 mm or over is required.</p>
<b>Application temperature</b>	<p>Do not apply when temperatures are below 10°C or at relative humidity above 75 %. Surface temperature should be min. 3°C above the dew point. Laying is best carried out between 1</p>
<b>Pot life</b>	<p>At 20°C, 30 minutes. Higher temperatures shorten pot life.</p>
<b>Waiting times between coats</b>	<p>18 - 24 hours maximum when laying over primer. If this is not possible, it is recommended to blind the freshly applied primer with K3 filler.</p>
<b>Drying time (At 20°C)</b>	<p>Light traffic 48 hours. Full serviceability, in 7 days.</p>
<b>Cleaning</b>	<p>Tools and equipment should be cleaned in SPECIAL TINER 5.05 immediately after use</p>