



# NEO ELASTIC WATERPROOFING

PRODUCT CODE: EW00

TECHNICAL DATA SHEET NO. 04-Repair & Renovation

NOVEMBER 2018

<b>Product Description</b>	New generation water based, acrylic, elastic, long-life sealant for use with and without a woven membrane for sealing roofs from water penetration.	
<b>Application Areas</b>	<ul style="list-style-type: none"><li>• Interior and exterior use.</li><li>• Cement tiles (new or weathered), fibre cement sheeting (new or weathered), plaster, previously painted substrates.</li><li>• Primed metal and wooden substrates.</li><li>• Flat cement/concrete roofs.</li><li>• Seal nail heads and roofing bolts.</li><li>• Parapet / Garden / Boundary Wall tops.</li><li>• Filling and sealing of hairline cracks.</li></ul>	
<b>Product Features</b>	<ul style="list-style-type: none"><li>• <b>NEO Elastic Waterproofing</b> is a coating material, which prevents water penetration into the substrate. Applied in several layers and strengthened with a suitable woven material it forms a thick protective membrane for roof sealing.</li><li>• <b>NEO Elastic Waterproofing</b> is available in several popular roof shades as well as white.</li><li>• <b>NEO Elastic Waterproofing</b> is based on a highly flexible and water resistant acrylic resin emulsion.</li><li>• Applied to specification it seals concrete roofs and prevents water penetration.</li><li>• <b>NEO Elastic Waterproofing</b> remains highly flexible for years even after extended exposure to the environment.</li><li>• Besides its main use on concrete roofs, <b>NEO Elastic Waterproofing</b> can be successfully applied on galvanised sheeting, roofing felt and fibre cement.</li><li>• The product can be used for replacing roofing felt completely. When <b>NEO Elastic Waterproofing</b> is applied directly on to wooden roof boards with suitable woven matting such as Biddim, it forms a nearly indestructible and long-lasting roof coating superior to roofing felt.</li><li>• <b>NEO Elastic Waterproofing</b> is ideal for repair work on roofs such as sealing nail heads, leaking flashings and repairing damaged or cracked roofing felt.</li><li>• <b>NEO Elastic Waterproofing</b> is ideal for repair work on parapet / garden / boundary wall tops where rain water can pool and penetrate the wall.</li><li>• <b>NEO Elastic Waterproofing</b> can be used for the repair of leaking concrete or metal water dams and basins. Once the coating is properly dry and firm the coating is suitable for under water use.</li><li>• Highly durable and UV resistant.</li><li>• Highly water resistant.</li><li>• Excellent long term flexibility.</li><li>• Excellent adhesion.</li><li>• Quick drying - two coats can be applied in one day.</li><li>• Low odour.</li><li>• Three to four coats of <b>NEO Elastic Waterproofing</b> are used for best results.</li><li>• In white and pastel colours it also has the added benefit of being heat reflective and therefore reduces the temperature of the rooms (especially for metal roofs).</li><li>• If correctly applied to a properly prepared substrate the product has a life expectancy of 5-7 years, possibly longer.</li></ul>	
<b>Product Data</b>	<b>Resin Base</b>	Acrylic resin emulsion
	<b>Drying Time</b>	Touch dry: 30-60 minutes Hard dry: 2 - 3 hours
	<b>Solid Matter by Content</b>	By volume: 52% By mass: 63%
	<b>Film Thickness</b>	80-100 microns
	<b>Surface Appearance</b>	Silky gloss



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	<b>Spreading Rate</b>	3-8 square metres per litre. Although the spreading rate will vary with porosity and type of substrate, for uncoated new surfaces work on 3-4 square metres per litre for the first coat and 6-8 square metres per litre for subsequent coats and when applied to sealed, previously painted substrates.
<b>Application Details</b>		
• <b>Mixing</b>	Always stir well before use with a flat paddle.	
• <b>Application Method</b>	Brush or roller.	
• <b>Thinning</b>	<b>NEO Elastic Waterproofing</b> is ready for use un-thinned; thinning with water will reduce its hiding power and effectiveness.	
• <b>Cleaning</b>	Water.	
• <b>Application</b>	<ul style="list-style-type: none"><li>• Stir well before use.</li><li>• Three to four coats of <b>NEO Elastic Waterproofing</b> are used for best results.</li><li>• With brush or roller, apply a generous/thick coat of <b>NEO Elastic Waterproofing</b> in small manageable sections.</li><li>• Firmly and evenly press a layer of woven fabric waterproofing membrane such as Biddim into the wet layer of <b>NEO Elastic Waterproofing</b>.</li><li>• Allow to dry 4-6 hours before recoating.</li><li>• Apply a second, third and possibly a fourth generous coat, waiting 4-6 hours between coats, until the membrane is totally saturated and the surface has an even and very noticeable high sheen.</li><li>• <b>NEO Elastic Waterproofing</b> is ready for use un-thinned; thinning with water will reduce its hiding power and effectiveness.</li><li>• Clean up application equipment with clean tap water.</li><li>• For application with woven fabric materials calculate at least one litre <b>NEO Elastic Waterproofing</b> per square metre substrate.</li><li>• Although the spreading rate will vary with porosity and type of substrate, for uncoated new surfaces work on 3-4 square metres per litre for the first coat and 6-8 square metres per litre for subsequent coats and when applied to sealed, previously painted substrates.</li><li>• Do not apply before 09:00 and after 16:00 in the winter.</li><li>• Do not apply exterior if it looks like rain will occur within 4-6 hours of application.</li></ul>	
<b>Surface Preparation</b>		
• <b>Mild Steel (Renovation)</b>	<ul style="list-style-type: none"><li>• Affected areas need to be cleaned back to bright metal and spot primed with <b>NEO Corroguard</b> (two coats in coastal regions).</li><li>• With brush or roller, apply a generous/thick coat of <b>NEO Elastic Waterproofing</b> in small manageable sections.</li><li>• Firmly and evenly press a layer of woven fabric waterproofing membrane such as Biddim into the wet layer of <b>NEO Elastic Waterproofing</b>.</li><li>• Allow to dry 4-6 hours before recoating.</li><li>• Apply a second, third and possibly a fourth generous coat, waiting 4-6 hours between coats, until the membrane is totally saturated and the surface has an even and very noticeable high sheen.</li></ul>	
• <b>Mild Steel (New)</b>	<ul style="list-style-type: none"><li>• Degrease surfaces with <b>NEO Metal Conditioner</b> (mc00) to remove the manufacturer's grease protective layer. This process is repeated until the surface is water break free.</li><li>• After drying, the whole substrate is coated with <b>NEO Corroguard</b> (cg00).</li><li>• With brush or roller, apply a generous/thick coat of <b>NEO Elastic Waterproofing</b> in small manageable sections.</li><li>• Firmly and evenly press a layer of woven fabric waterproofing membrane such as Biddim into the wet layer of <b>NEO Elastic Waterproofing</b>.</li><li>• Allow to dry 4-6 hours before recoating.</li><li>• Apply a second, third and possibly a fourth generous coat, waiting 4-6 hours between coats, until the membrane is totally saturated and the surface has an even and very noticeable high sheen.</li></ul>	



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<ul style="list-style-type: none"><li>• <b>Uncoated Cement, Concrete or Cement Tile Surfaces (e.g. Concrete Roofs)</b></li></ul>	<ul style="list-style-type: none"><li>• Make sure surface is dry and firm.</li><li>• Remove all dust, foreign material, fungal and algae growth.</li><li>• Fill and seal all visible cracks with <b>NEO Aurora Filler</b> (ef00) or <b>NEO Repair Paste</b> (nrp07).</li><li>• Apply one coat of <b>NEO Bonding Liquid</b> (ig00) to cover <b>NEO Aurora Filler</b> (ef00) or <b>NEO Repair Paste</b> (nrp07).</li><li>• Apply one thick, undiluted coat of <b>NEO Elastic Waterproofing</b>.</li><li>• Firmly and evenly press a layer of woven fabric waterproofing membrane such as Biddim into the wet layer of <b>NEO Elastic Waterproofing</b> using a dry paint roller or similar tool.</li><li>• Work only in sections as fabric must be applied on to the still wet <b>NEO Elastic Waterproofing</b>.</li><li>• Apply a further two coats of <b>NEO Elastic Waterproofing</b> thickly on to the fabric, saturating it properly.</li><li>• The woven fabric must be completely saturated until the surface has an even, glossy sheen. If this is not achieved, the contractor must apply additional coats of <b>NEO Elastic Waterproofing</b>.</li></ul>
<ul style="list-style-type: none"><li>• <b>Uncoated Weathered or New Fibre Cement Surfaces and Roofing Felt</b></li></ul>	<ul style="list-style-type: none"><li>• Remove dust, foreign material, fungal and algae growth.</li><li>• If friable or powdery, seal with <b>NEO Bonding Liquid</b> (ig00).</li><li>• Remove any collected sand and dust.</li><li>• Use a firm brush and soap water.</li><li>• Rinse well with clean potable water.</li><li>• With brush or roller, apply a generous/thick coat of <b>NEO Elastic Waterproofing</b> in small manageable sections.</li><li>• Firmly and evenly press a layer of woven fabric waterproofing membrane such as Biddim into the wet layer of <b>NEO Elastic Waterproofing</b>.</li><li>• Allow to dry 4-6 hours before recoating.</li><li>• Apply a second, third and possibly a fourth generous coat, waiting 4-6 hours between coats, until the membrane is totally saturated and the surface has an even and very noticeable high sheen.</li></ul>
<ul style="list-style-type: none"><li>• <b>Previously Painted Surfaces</b></li></ul>	<ul style="list-style-type: none"><li>• Surface must be in a sound condition.</li><li>• Remove all loose, flaking and bubbling paint.</li><li>• Remove all dust, foreign material, fungal and algae growth.</li><li>• Allow to dry.</li><li>• If then powdery or friable, seal with <b>NEO Bonding Liquid</b> (ig00).</li><li>• Apply <b>NEO Elastic Waterproofing</b> as follows:</li><li>• With brush or roller, apply a generous/thick coat of <b>NEO Elastic Waterproofing</b> in small manageable sections.</li><li>• Firmly and evenly press a layer of woven fabric waterproofing membrane such as Biddim into the wet layer of <b>NEO Elastic Waterproofing</b>.</li><li>• Allow to dry 4-6 hours before recoating.</li><li>• Apply a second, third and possibly a fourth generous coat, waiting 4-6 hours between coats, until the membrane is totally saturated and the surface has an even and very noticeable high sheen.</li></ul>
<ul style="list-style-type: none"><li>• <b>Repair of Leaks and Cracks in Water Dams</b></li></ul>	<ul style="list-style-type: none"><li>• Remove all dust, foreign material, fungal and algae growth from the metal, cement or plaster surface.</li><li>• Concrete brick build dams must be completely dry.</li><li>• For smaller damages, apply two coats of <b>NEO Elastic Waterproofing</b> as follows:</li><li>• With brush or roller, apply a generous/thick coat of <b>NEO Elastic Waterproofing</b> in small manageable sections.</li><li>• Firmly and evenly press a layer of woven fabric waterproofing membrane such as Biddim into the wet layer of <b>NEO Elastic Waterproofing</b>.</li><li>• Allow to dry 4-6 hours before recoating.</li><li>• Apply a second, third and possibly a fourth generous coat, waiting 4-6 hours between coats, until the membrane is totally saturated and the surface has an even and very noticeable high sheen.</li><li>• Wait for 7 days before filling dam.</li></ul>



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<b>Colour Range and Quantities</b>	<ul style="list-style-type: none"><li>• <b>NEO Elastic Waterproofing</b> is available in a range of popular non-fade and UV resistant ready mixed pastel and darker colours including tile red, green, medium grey and white.</li><li>• Available in 1 litre, 5 litres and 20 litres.</li></ul>
<b>Precautions</b>	<ul style="list-style-type: none"><li>• <b>NEO Elastic Waterproofing</b> is not flammable.</li><li>• Contains no toxic substances and only low levels of VOC (EU regulations).</li></ul>
<b>Disclaimer</b>	NEO Paints can not be held liable if the product fails due to improper surface preparation or application.
<b>NEO PAINTS FACTORY (PTY) LTD</b> Reg No 2002/214	
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