



# NEO EPOXY FLOOR PAINT

## 2 COMPONENT

PRODUCT CODE: EYF00 (Base: EYF - Hardener: EYH)

TECHNICAL DATA SHEET NO. 06-Specialised Products

NOVEMBER 2018

<b>Product Description</b>	<p><b>NEO Epoxy Floor Paint</b> is based on a pure epoxy resin and cured with a polyamide resin. It is a classic, 2-pack interior, abrasion resistant, high gloss floor coating for those very high traffic areas that need a highly abrasion, water and chemical resistant coating in a range of colours.</p> <p>The coating is not dissolved by petrol and oils, making <b>NEO Epoxy Floor Paint</b> ideal for garage and workshop floors.</p> <p>This coating can be applied on concrete floors only. We do not recommend use on wooden floors except when the floor is new and not yet coated with floor paint.</p>	
<b>Application Areas</b>	<ul style="list-style-type: none"> <li>• Interior use or shaded areas only. The product is NOT suitable for use on the exterior that is exposed to sunlight.</li> <li>• Dry (10% moisture maximum) concrete/cement floors.</li> <li>• Concrete or cement garage and workshop floors.</li> <li>• Do not use on wooden floors except when the floor is new and not yet coated with floor paint.</li> </ul>	
<b>Product Features</b>	<ul style="list-style-type: none"> <li>• Highly abrasion and chemical resistant.</li> <li>• Highly washable and cleanable.</li> <li>• High hiding power and film build.</li> <li>• <b>NEO Epoxy Floor Paint</b> is based on a pure epoxy resin and cured with a polyamide resin. The pigmentation is formulated to achieve an excellent abrasion resistance and long wear. It is a twin pack system and the catalyst must be added to the base paint before application.</li> <li>• Epoxy resins are not suitable for direct exposure to sunlight. They should only be used indoors or on shaded areas. It is very important to prepare the substrate properly. New concrete floors must be well cured, firm, oil and grease free and completely dry.</li> <li>• Floors coated with <b>NEO Epoxy Floor Paint</b> can easily be kept clean by washing the floor with warm soap water or other household detergents. If severely soiled, use a high pressure or steam cleaner, it will not damage the coating.</li> <li>• Old workshop floors, which are saturated with oil and grease, cannot be coated. Cleaning with solvents and degreasers will only remove the oil out of the top layer and the oil from the lower sections will rise to the surface and the coating will lose its adhesion.</li> <li>• Two to three coats of <b>NEO Epoxy Floor Paint</b> are used for best results.</li> </ul>	
<b>Product Data</b>	<b>Resin Base</b>	Epoxy resin cured with a polyamide resin
	<b>Drying Time</b>	Touch dry: 4-6 hours Hard dry: 16-18 hours (possibly longer in winter)
	<b>Solid Matter by Content</b>	By volume: 46% By mass: 65%
	<b>Film Thickness</b>	35-40 microns per coat
	<b>Spreading rate</b>	6-12 square metres per litre. Although the spreading rate will vary with porosity and type of substrate, for uncoated new surfaces work on 6-8 square metres per litre for the first coat and 10-12 square metres per litre for subsequent coats and when applied to sealed, previously epoxy painted substrates.
	<b>Surface appearance</b>	Glossy finish
<b>Application Details</b>		
• <b>Mixing</b>	Always stir well before use with a flat paddle. Mix the epoxy base with the polyamide curing agent in the correct ratio.	
• <b>Application Method</b>	Paintbrush, mohair roller or airless spray application.	
• <b>Thinning</b>	<b>NEO Epoxy Thinner</b> (et02).	
• <b>Cleaning</b>	<b>NEO Epoxy Thinner</b> (et02).	
• <b>Application</b>	<ul style="list-style-type: none"> <li>• Stir well before use.</li> <li>• The floor area must be clean and dry. The humidity content should be checked if</li> </ul>	



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	<p>there is any doubt.</p> <ul style="list-style-type: none"><li>• Mix the epoxy base with the polyamide curing agent in the correct ratio: 4 volumes epoxy base to 1 volume polyamide curing agent. Mix for 5 to 10 minutes. For very porous floors add 5-10% <b>NEO Epoxy Thinner</b> (et02).</li><li>• Two to three coats of <b>NEO Epoxy Floor Paint</b> are used for best results.</li><li>• With paintbrush or mohair roller, apply a generous coat of <b>NEO Epoxy Floor Paint</b>.</li><li>• Allow to dry for 18 to 24 hours but no longer than 48 hours before recoating.</li><li>• With paintbrush, roller or airless spray, apply a second generous coat (undiluted).</li><li>• Clean up application equipment with <b>NEO Epoxy Thinner</b> (et02).</li><li>• Only apply in well ventilated areas. Keep away from all ignition sources, flames and sparks.</li><li>• Do not eat, drink or smoke while applying.</li><li>• Although the spreading rate will vary with porosity and type of substrate, for uncoated new surfaces work on 6-8 square metres per litre for the first coat and 10-12 square metres per litre for subsequent coats and when applied to sealed, previously epoxy painted substrates.</li><li>• Do not apply before 09:00 and after 16:00 in the winter or when the temperature will exceed 15 degrees Celsius for the drying period. If the temperature is below 15 degrees Celsius for the drying period, a soft un-dried film will result.</li><li>• Interior or shaded areas only.</li></ul>
<b>Surface Preparation</b>	
<ul style="list-style-type: none"><li>• <b>Dry Uncoated Concrete and Cement Surfaces</b></li></ul>	<ul style="list-style-type: none"><li>• Remove all dust, foreign material, fungal and algae growth.</li><li>• Fill and seal all visible cracks with a suitable flexible sealant.</li><li>• Mix the epoxy base with the polyamide curing agent in the correct ratio: 4 volumes epoxy base to 1 volume polyamide curing agent. Mix for 5 to 10 minutes. For very porous floors add 5-10% <b>NEO Epoxy Thinner</b> (et02).</li><li>• With paintbrush or mohair roller, apply a generous coat of <b>NEO Epoxy Floor Paint</b>.</li><li>• Allow to dry for 18 to 24 hours but no longer than 48 hours before recoating.</li><li>• With paintbrush, roller or airless spray, apply a second generous coat (undiluted).</li></ul>
<ul style="list-style-type: none"><li>• <b>Previously Epoxy Painted Surfaces</b></li></ul>	<ul style="list-style-type: none"><li>• Remove all loose, flaking and bubbling paint.</li><li>• Remove all dust, grease, foreign material, fungal and algae growth.</li><li>• Sand well to the next coat.</li><li>• IMPORTANT: This product or any epoxy based coating is not recommended for old oil stained workshop floors unless they are sweep blasted to remove all the oil stained cement or concrete layers.</li><li>• Mix the epoxy base with the polyamide curing agent in the correct ratio: 4 volumes epoxy base to 1 volume polyamide curing agent. Mix for 5 to 10 minutes. For very porous floors add 5-10% <b>NEO Epoxy Thinner</b> (et02).</li><li>• With paintbrush or mohair roller, apply a generous coat of <b>NEO Epoxy Floor Paint</b>.</li><li>• Allow to dry for 18 to 24 hours but no longer than 48 hours before recoating.</li><li>• With paintbrush, roller or airless spray, apply a second generous coat (undiluted).</li></ul>
<b>Colour Range and Quantities</b>	<ul style="list-style-type: none"><li>• <b>NEO Epoxy Floor Paint</b> is available in grey and in special colours in minimum batch quantities upon request.</li><li>• Available in 1 litre and 5 litres (2 pack containers).</li></ul>
<b>Precautions</b>	<ul style="list-style-type: none"><li>• <b>NEO Epoxy Floor Paint</b> is highly flammable.</li><li>• Use only in well ventilated areas and do not eat, drink or smoke during application.</li><li>• Polyamide resins can cause slight skin irritations. Wear gloves and goggles during application. Should skin contact occur, wash affected areas with water and soap.</li><li>• <b>NEO Epoxy Floor Paint contains no toxic substances.</b></li></ul>



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<b>Disclaimer</b>	NEO Paints can not be held liable if the product fails due to improper surface preparation or application.
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