



**NEO DUR (SANS 1586-1)**  
**SEMI-MATT ACRYLIC EMULSION**  
**PRODUCT CODE: EP00**  
 TECHNICAL DATA SHEET NO. 01-Wall Paints  
 NOVEMBER 2018

<b>Product Description</b>	A new generation, water based, 100% acrylic, long-life, interior / exterior, silky sheen coating. Meets the rigorous requirements of SANS 1586-1, Grade 1.	
<b>Application Areas</b>	<ul style="list-style-type: none"> <li>• Interior and exterior use.</li> <li>• High traffic areas that need a highly washable and durable coating in a wide range of colours.</li> <li>• Plaster, hardboard and fibre cement walls.</li> <li>• Primed metal and wooden substrates.</li> <li>• Walls, ceilings, fibre cement, galvanised gutters and down pipes, PVC pipes, fibre and hard board panels.</li> </ul>	
<b>Product Features</b>	<ul style="list-style-type: none"> <li>• Highly durable and UV resistant.</li> <li>• The coating surface is smooth and silky in appearance.</li> <li>• Highly washable - comfortably meets the requirements of the very harsh SABS and ASTM scrub resistant test methods.</li> <li>• The slightly glossy surface prevents dirt pickup and makes it easy to clean.</li> <li>• Can be cleaned with any household detergent and by scrubbing if required.</li> <li>• Excellent adhesion.</li> <li>• Low odour.</li> <li>• Two coats of <b>NEO Dur</b> are applied for best results.</li> <li>• If correctly applied to a properly prepared substrate, the product has a life expectancy of 7-10 years, possibly longer.</li> </ul>	
<b>Product Data</b>	<b>Resin Base</b>	Acrylic resin emulsion
	<b>Drying Time</b>	Touch dry: ± 30 minutes Hard dry: 3-4 hours
	<b>Solid Matter by Content</b>	By volume: 39% By mass: 57%
	<b>Film Thickness</b>	35-50 microns
	<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 painted substrates.
	<b>Surface Appearance</b>	Slight silky sheen
<b>Application Details</b>		
• <b>Mixing</b>	Always stir well before use with a flat paddle.	
• <b>Application Method</b>	Brush, roller or airless spray.	
• <b>Thinning</b>	<b>NEO Dur</b> is ready for use un-thinned; thinning with water will reduce its hiding power.	
• <b>Cleaning</b>	Water.	
• <b>Application</b>	<ul style="list-style-type: none"> <li>• Stir well before use.</li> <li>• Two coats of <b>NEO Dur</b> are applied for best results.</li> <li>• With brush, roller or airless spray, apply a generous coat of <b>NEO Dur</b>.</li> <li>• Allow to dry 4-6 hours before recoating.</li> <li>• Apply a second generous coat of <b>NEO Dur</b>.</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> <li>• <b>NEO Dur</b> is ready for use un-thinned; thinning with water will reduce its hiding power.</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 painted substrates.</li> <li>• Clean up application equipment with clean tap water.</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> (cg00).</li> <li>• Sand existing coating.</li> <li>• With brush, roller or airless spray, apply a generous coat of <b>NEO Dur</b>.</li> <li>• Allow to dry 4-6 hours before recoating.</li> </ul>	



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	<ul style="list-style-type: none"> <li>Apply a second generous coat of <b>NEO Dur</b>.</li> </ul>
<ul style="list-style-type: none"> <li><b>Mild Steel (New)</b></li> </ul>	<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>Degreased, galvanised metal: due to its acrylic resin base, <b>NEO Dur</b> can be applied direct without primer (inland, not at the coast).</li> <li>With brush, roller or airless spray, apply a generous coat of <b>NEO Dur</b>.</li> <li>Allow to dry 4-6 hours before recoating.</li> <li>Apply a second generous coat of <b>NEO Dur</b>.</li> </ul>
<ul style="list-style-type: none"> <li><b>Uncoated Concrete Surfaces</b></li> <li><b>Raw / New Plaster</b></li> <li><b>Precast</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>Surfaces where moisture ingress can be expected like parapet wall top, garden/boundary walls with no damp coring, open stair cases and walkways, it is required to apply one generous coat of <b>NEO Salt Stop</b> (SS30) and let dry for 1 hour.</li> <li>Prime with <b>NEO Contractors Premium Primer</b> (apc00).</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>Sand well and remove dust.</li> <li>With brush, roller or airless spray, apply a generous coat of <b>NEO Dur</b>.</li> <li>Allow to dry 4-6 hours before recoating.</li> <li>Apply a second generous coat of <b>NEO Dur</b>.</li> </ul>
<ul style="list-style-type: none"> <li><b>Uncoated, Weathered or New Fibre Cement Surfaces</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>With brush, roller or airless spray, apply a generous coat of <b>NEO Dur</b>.</li> <li>Allow to dry 4-6 hours before recoating.</li> <li>Apply a second generous coat of <b>NEO Dur</b>.</li> </ul>
<ul style="list-style-type: none"> <li><b>Wall Partitioning, Softboard, Gypsum Board, Fibre Board, Cornices (New &amp; Renovation)</b></li> </ul>	<ul style="list-style-type: none"> <li>Remove any loose particles and dust from substrate.</li> <li>Prime nail heads with a coat of <b>NEO Universal Undercoat</b> (wu00) (this will prevent corrosion of nail heads).</li> <li>Prime surface with one coat of <b>NEO Contractors Premium Primer</b> (apc00).</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>Sand well and remove dust.</li> <li>With brush, roller or airless spray, apply a generous coat of <b>NEO Dur</b>.</li> <li>Allow to dry 4-6 hours before recoating.</li> <li>Apply a second generous coat of <b>NEO Dur</b>.</li> </ul>
<ul style="list-style-type: none"> <li><b>Previously Painted Surfaces</b></li> <li><b>Concrete</b></li> <li><b>Precast</b></li> <li><b>Plaster</b></li> </ul>	<ul style="list-style-type: none"> <li>Surface must be in a sound condition.</li> <li>Existing gloss finishes should be well sanded.</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>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>Prime the bare and visible plaster areas with <b>NEO Contractors Premium Primer</b> (apc00).</li> <li>With brush, roller or airless spray, apply a generous coat of <b>NEO Dur</b>.</li> <li>Allow to dry 4-6 hours before recoating.</li> <li>Apply a second generous coat of <b>NEO Dur</b>.</li> </ul>
<ul style="list-style-type: none"> <li><b>Wooden Surfaces and Chipboard</b></li> </ul>	<ul style="list-style-type: none"> <li>Prime wooden surface with one coat of <b>NEO Pink Primer</b> (pi00).</li> <li>With brush, roller or airless spray, apply a generous coat of <b>NEO Dur</b>.</li> <li>Allow to dry 4-6 hours before recoating.</li> </ul>



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	<ul style="list-style-type: none"><li>• Apply a second generous coat of <b>NEO Dur</b>.</li></ul>
<b>Color Range and Quantities</b>	<ul style="list-style-type: none"><li>• <b>NEO Dur</b> is available in a range of popular, ready mixed colours and on the NEO ColourWorks tinting system.</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 Dur</b> is not flammable.</li><li>• It contains no toxic substances and very 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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