



# NEO LINSEED OIL

RAW

PRODUCT CODE: L000

TECHNICAL DATA SHEET NO. 05-Lacquers & Varnishes

NOVEMBER 2018

<b>Product Description</b>	Long-life, exterior wood treatment/primer and durable coating. <b>NEO Linseed Oil</b> is a 100% pure vegetable oil extracted from the seed of the flax plant. This oil dries by oxidation. <b>NEO Raw Linseed Oil</b> dries slower than <b>NEO Boiled Linseed Oil</b> (lo01). For use on wood and for similar purposes only boiled linseed oil should be used.	
<b>Application Areas</b>	<ul style="list-style-type: none"><li>Exterior use only.</li><li>Properly prepared wood or timber surfaces.</li></ul>	
<b>Product Features</b>	<ul style="list-style-type: none"><li><b>NEO Linseed Oil</b> is one of the few vegetable oils that get hard and dry.</li><li>Excellent penetration of wood - even better if the <b>NEO Linseed Oil</b> is diluted with <b>NEO Mineral Turpentine</b> (mt00).</li><li>"Feeds" wood and keeps it flexible.</li><li>Slow drying for the best flow (raw linseed oil dries much slower than boiled linseed oil).</li><li>Two coats of <b>NEO Linseed Oil</b> are used for best results.</li><li>Can be used as a primer under a range of NEO Paints' decorative solvent based topcoats.</li><li><b>NEO Linseed Oil</b> should not be used on wood that will later be treated with nitro cellulose wood lacquers (e.g. <b>NEO NC Lacquer</b> (nc00)). The solvents used will destroy and lift off the oil from the substrate.</li><li><b>NEO Linseed Oil</b> is an industrial product and is not suitable for human consumption.</li></ul>	
<b>Product Data</b>	<b>Resin Base</b>	100% pure linseed oil
	<b>Drying Time</b>	Raw: 2-4 days (Boiled: 6-8 hours)
	<b>Solid Matter by Content</b>	100%
	<b>Film Thickness</b>	20-25 microns
	<b>Spreading rate</b>	9-12 square metres per litre. Although the spreading rate will vary with porosity and type of substrate, for uncoated new surfaces work on 9-11 square metres per litre for the first coat and 10-12 square metres per litre for subsequent coats and when applied to previously oiled substrates.
<b>Application Details</b>		
<ul style="list-style-type: none"><li><b>Mixing</b></li></ul>	Always stir well before use with a flat paddle.	
<ul style="list-style-type: none"><li><b>Application Method</b></li></ul>	Brush application.	
<ul style="list-style-type: none"><li><b>Thinning</b></li></ul>	<b>NEO Mineral Turpentine</b> (mt00).	
<ul style="list-style-type: none"><li><b>Cleaning</b></li></ul>	<b>NEO Mineral Turpentine</b> (mt00).	
<ul style="list-style-type: none"><li><b>Application</b></li></ul>	<ul style="list-style-type: none"><li>Stir well before use.</li><li>Two coats of <b>NEO Linseed Oil</b> (raw) are used for best results.</li><li>Brush apply a generous first coat (thin 30% with <b>NEO Mineral Turpentine</b> (mt00)) of <b>NEO Linseed Oil</b> (raw).</li><li>Allow to dry 24-36 hours before sanding again.</li><li>Remove all dust.</li><li>Brush apply (un-thinned) one more generous coat (if more than one coat is applied, leave at least 24 hours between coats).</li><li>Leave at least 24 hours before applying further varnish or other coatings.</li><li>Clean up application equipment with <b>NEO Mineral Turpentine</b> (mt00).</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>Do not use under <b>NEO NC Lacquer</b> (nc00) as the strong solvents will attack and destroy the linseed oil.</li><li>IMPORTANT: All rags soaked with linseed oil are a fire hazard (can start to burn by self-ignition) so they should be disposed of by putting them into a bucket with water.</li><li>Do not apply before 09:00 and after 16:00 in the winter.</li></ul>	



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	<ul style="list-style-type: none"><li>For exterior use only.</li><li>Although the spreading rate will vary with porosity and type of substrate, for uncoated new surfaces work on 9-11 square metres per litre for the first coat and 10-12 square metres per litre for subsequent coats and when applied to previously oiled substrates.</li></ul>
<b>Surface Preparation</b>	
<ul style="list-style-type: none"><li><b>New Untreated Wood</b></li></ul>	<ul style="list-style-type: none"><li>Sand the wooden substrate well.</li><li>Remove all dust.</li><li>Brush apply a generous first coat (thin 30% with <b>NEO Mineral Turpentine (mt00)</b> of <b>NEO Linseed Oil (raw)</b>).</li><li>Allow to dry 24-36 hours before sanding again.</li><li>Remove all dust.</li><li>Brush apply (un-thinned) one more generous coat (if more than one coat is applied, leave at least 24 hours between coats).</li><li>Repeat treatment if required (softwoods absorb more oil than hardwoods).</li><li>Leave at least 24 hours before applying further varnish or other coatings.</li><li>Wait at least for 24 hours before applying further varnish or paint coatings.</li></ul>
<ul style="list-style-type: none"><li><b>Old, Neglected and Weathered Wood</b></li></ul>	<ul style="list-style-type: none"><li>Sand the wooden substrate well.</li><li>Remove all dust.</li><li>For previously varnished wood, the whole area must be properly sanded back to bare wood. Sand well with coarse sandpaper to remove loose wood, paint and varnished particles.</li><li>Brush apply a generous first coat (thin 30% with <b>NEO Mineral Turpentine (mt00)</b> of <b>NEO Linseed Oil (raw)</b>).</li><li>Allow to dry 24-36 hours before sanding again.</li><li>Remove all dust.</li><li>Brush apply (un-thinned) one more generous coat (if more than one coat is applied, leave at least 24 hours between coats).</li><li>Repeat treatment if required (softwoods absorb more oil than hardwoods).</li><li>Leave at least 24 hours before applying further varnish or other coatings.</li><li>Wait at least for 24 hours before applying further varnish or paint coatings.</li></ul>
<b>Colour Range and Quantities</b>	<ul style="list-style-type: none"><li><b>NEO Linseed Oil (raw)</b> is available in clear only (liquid is yellow/light brown and dries to a clear, transparent coating).</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 Linseed Oil (raw)</b> is highly flammable and has a flashpoint of 37 degrees Celsius.</li><li>Use only in well ventilated areas and do not eat, drink or smoke during application.</li><li><b>NEO Linseed Oil (raw)</b> is an industrial product and is not suitable for human consumption.</li><li>The product contains no harmful substances.</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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