

Tredseal Finish

MMA Sealer Coat for High Friction Surfacing

Description


A one component methyl methacrylate surface sealer designed to optimise service life and improve the wear resistance of high friction surfacing. Tredseal Finish is available in clear and a range of colours, thus providing a rapid curing, highly functional and decorative finish to the Tredseal system. Complies with the requirements of EN 1504 Part 2.

Advantages

- Installation even at very low temperatures
- Tough & wear resistant
- Provides an instant decorative finish
- Dusting eliminated, as well as associated hazards
- Improved amenity & environment
- Reducing maintenance costs
- Becomes part of the Tredseal waterproof system
- Ultra rapid set, can be trafficked in two hours

Applications

- Top coat for anti-slip coating systems
- Mezzanine/podium decks, foot bridges, walkways & balconies
- Carparks, ramps, off-highway vehicular bridges
- Rail platforms, ports, chemical plants & warehouses
- Laboratories, hospitals, service yards & sports stadia
- Warehouses & storage areas
- Sealer/decorative coating for concrete floors
- Penetrating gap & crack filler
- Durable coating for steel work

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Nufins, Kingston House, 3 Walton Road, Pattinson North, District 15, Washington, Tyne & Wear. NE38 8QA 23 0086-CPR-774186	
EN 1504-2 Surface protection system Coating	
Permeability to water vapour	Class I
Capillary absorption & permeability to water	<0.1 kg/m ² .h ^{0.5}
Adhesion	≥1.5 MPa
Dangerous substances	Complies with 5.3

Technical information

Appearance	Clear/pigmented resin
Usable life	20-30 minutes*
Trafficking time	2 hours*
Yield	5 litres per 5kg 25 litres per 25kg
S.G.	1.0
Coverage	0.5 kg/m ²
Hardness	>70 (Shore D)
Adhesion	>2.0 MPa
Tensile strength	>10 MPa

* Note: Usable life, hardening & trafficking times will vary, subject to BPO additions and different temperatures.



Surface Preparation

Once Tredseal Bodycoat resin has sufficiently hardened, loose and surplus aggregate, should be removed by vacuum or brush, before applying Tredseal Finish. Cure times for guidance as follows;

Summer; 45 – 75 minutes Winter; 60 - 90 minutes

Mixing

Ensure both components are available before mixing begins.

The quantity of BPO catalyst powder added to Tredseal Finish resin can be adjusted according to the ambient temperature.

See table below for BPO additions to **Pigmented resin**;

Temp. Range (°C)	Weight of BPO (g)		Usable Life (minutes)	Traffic Time (hours)
	5kg Pack	25kg Pack		
5	50	250	45	4
5	75	375	37	3.5
5	100	500	31	3
5-10	125	625	28	2.5
10-15	100	500	30	2.5
15-20	75	375	32	2
20-25	50	250	30	2
25-30	50	250	20	1.5
30-35	25	125	15	1.5

See table below for BPO additions to **Clear resin**;

Temp. Range (°C)	Weight of BPO (g)		Usable Life (minutes)	Traffic Time (hours)
	5kg Pack	25kg Pack		
5	75	375	45	4
5	115	575	37	3.5
5	155	775	31	3
5-10	195	975	28	2.5
10-15	155	775	30	2.5
15-20	115	575	32	2
20-25	75	375	30	2
25-30	75	375	20	1.5
30-35	38	190	15	1.5

Note: BPO catalyst additions vary for Tredseal Finish pigmented and Tredseal Finish clear.

BPO catalyst; additions are listed on Tredseal Finish drum labels.

Mixing (continued)

Add the required quantity of BPO to the drum of resin and mix thoroughly, for 2-3 minutes using a variable speed high torque drill and helical paddle. Care must be taken not to entrain excess air and to prevent unmixed material remaining on the sides and base of the mixing vessel.

Mixed resin is ready for immediate use.

Application Instructions

Work quickly to apply mixed Tredseal Finish immediately over the dry anti-slip aggregate and spread by brush or medium nap roller at the approximate rate of 0.5kg/m². The actual coverage will depend on the surface profile and size of aggregate used.

Cleaning

Keep all mixing equipment and tools continuously cleaned throughout the day using **Acetone** and avoid product build up.

Packaging

Tredseal Finish is available in 5kg & 25kg drums

BPO catalyst powder is available in 5kg & 25kg units

Both above parts are required.

Acetone is available in 5 & 20 litre drums

Storage

Tredseal Finish is flammable. Due precaution should be taken when handling and storing this material.

Shelf life is 12 months for resin and 6 months for BPO when stored unopened in dry, normal conditions and away from direct sunlight. Protect from frost.

Health and Safety

Product Safety Data Sheets (SDS) are available from Nufins. SDS sheets are provided to help customers satisfy their safe handling, use and disposal needs as well as assist with any conformance requirements made locally by health and safety regulations.

SDS are continually updated to provide the very latest information to our customers. We therefore recommend contacting our head office to obtain the most recent and accurate SDS before handling and using any product.

Limitations

Applications may be made from 0 - 35°C. Substrate temperatures should be 3°C above the dew point.

For applications undertaken in temperature below 5°C, materials should be stored and conditioned at 15°C and the maximum BPO catalyst addition be used for 5°C (see above table).

In temperatures below 5°C it may be necessary to assist curing by the use of tenting and warm air blowers, in situations where this is possible. For situations with larger or long extended areas, and for further advice, contact Nufins technical department.

BPO catalyst additions should be adjusted in line with temperature, in accordance with the table above.

If used, remove masking tape before resin hardens.

Disclaimer

The information contained herein is to the best of our knowledge true and accurate and is given in good faith but without warranty. The user will be deemed to have satisfied themselves independently as to the suitability of our products for their own particular purpose. In no event shall Nufins be liable for consequential or incidental damages.

Users must always refer to the most recent issue of the Technical Datasheets, copies of which will be supplied on request.

Technical Support

Through our technical department and laboratories we can offer a comprehensive service to specifiers and contractors. Technical contacts are available to provide further information and arrange demonstrations.