

TECHNICAL DATA

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Sundries	May 2007	PM	July 2005	1 of 3

REVATHANE

GENERIC TYPE: Non-yellowing moisture cured, polyurethane.

PROPERTIES: REVATHANE is a moisture cure clear coating supplied ready to use. It gives an extremely tough and durable film. Because it is an Aliphatic Polyurethane, it is non-yellowing. It has a UV absorber incorporated which will protect substrates from the effects of sunlight.

Type of Urethane: Aliphatic
 Modification: UV Absorber included
 Total Solids Content: 40%
 Finish: Full Gloss
 Colour: Clear liquid
 Minimum Application Temperature - + 10°C



SUGGESTED USES:

- Interior, exterior use as a hardwearing glaze. Revathane provides a bright, clear full gloss finish to many hard substrates.
- Has exceptional exterior durability as confirmed by natural exposure trials. Non yellowing finish.
- Traffic coat for Traxite, Terraflake.
- Aggregate glaze.
- Polished concrete coating (clear).
- Barrier coat for areas of high abrasion, dirt pick-up, chemical contamination.
- Imbedding non-skid aggregates.
- Timber flooring.
- Precoloured cork.
- Slip resistant finishes.

NOT RECOMMENDED:

- Exposure to strong chemicals or aggressive solvents.
- Application to damp substrates or situations of rising damp
- Applications to substrates other than good quality concrete, timber or specified Nuplex finish.

DRY TIMES:

Surface Dry:	30 minutes
Dry:	6 hours
Recoat Minimum:	6 hours
Recoat Maximum:	18 hours

Recoating should be carried out within 18 hours of application in average conditions, otherwise the film cures to such a degree that the adhesion of further coats becomes a problem (refer Reglaze Etch).

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CHEMICAL RESISTANCE: (Splash or occasional contact)
Acids Good
Alkalies Good
Solvents Good
Water Excellent

SURFACE PREPARATION: Concrete
Ensure the surface is clean and dry and free from release agents, oils, dirt, dust and other contaminants. Consider diamond grinding to obtain an appropriate finish.
Caution: beware of rising damp through the concrete or up construction joints.
Timber
Ensure the surface is clean and dry and well sanded.

APPLICATION METHOD: Brush, roller, spreader

COVERAGE RATE: Walls: Minimum 2 coats at 8m²/litre/coat
Floors (Terraflake): 3 coats at 4m²/litre/coat
Timber/cork flooring: 3-4 coats @ 8m²/litre/coat
Concrete: 3 coats @ 6m²/litre/coat

THINNING: Not recommended. Solvent HA if necessary (Add immediately prior to use.)

CLEAN UP: Cork and Timber Cleaner. However cleaning brushes completely is very difficult. It may be best to use disposable brushes.

SLIP RESISTANT FINISHES: Slip resistant finishes can be achieved using:

	<u>Approx Application Weight</u>
Revtred (glass beads)	50m ² /550gm pack
Microcells (ceramic sphere)	100gms/4 litres
J61 Sand (fine sand)	2 kgs/m ²

Typical co-efficient of friction "wet" NZS/AS3661.1:1993:

Revtred	0.54
Microcells	0.56
J1 Sand	0.63

Note: Additive is applied to the second to last coat.

CAUTION:

- As supplied, the contents are purged with nitrogen. An irreversible cure commences once exposed to the atmosphere. Do not return unused product to container as this may cause gelling of the product in the container.
- Solvent fumes may contaminate foodstuffs.
- When spraying, wear protective clothing, gloves and eye and face protection, including suitable breathing protection such as an air supplied respirator or hood.
- Do not breathe vapour or spray.
- Harmful by inhalation and in contact with skin and eyes.
- Ensure MSDS sheets are displayed on site. Contents flammable.
- Too early recoating may cause “frying” or “crazing” of the film.
- Do not flood coat on timber or cork flooring. Apply 3-4 coats at 8m²/litre/coat.

SHELF LIFE:

- 12 months in unopened cans.
- Very limited life once can has been opened.

PACKAGING:

4 litre screw cap cans. Revathane is very reactive. Nuplex recommend its use from 4 lt tins to prevent wastage from curing in larger pails.

MAINTENANCE:

REVATHANE in exterior situations (e.g. used over flake finishes) will need regular maintenance (2-5 years). The surface is cleaned, sanded and wiped with **Reglaze Etch**. A further two coats are then applied.

In all situations, when recoating, both sand and Reglaze Etch prior to recoating.

PRODUCER STATEMENT:

Nuplex Industries Ltd states that REVATHANE is suitable as a clear coating for use in full exterior situations. If maintained correctly, the coating will have a service life in excess of 5 years.

