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## REVATHANE

**GENERIC TYPE:**

One-component polyurethane clear coating , exterior suitable grade, Non-yellowing moisture cured. Very durable.

**PROPERTIES:**

REVATHANE is a moisture cured, clear coating supplied ready to use. It gives an extremely tough and durable film.

As 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.
- Good water and wear resistance once cured.
- 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.
- Exterior concrete steps / concrete seats, bleachers.

**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.
- Revathane contains strong solvents. Use with caution in appropriate applications.

**DRY TIMES:**

Dry: 6 hours  
 Recoat Minimum: 6 hours  
 Recoat Maximum: 36 hours

Normally recoating should be carried out within 18 hours of application in average conditions ( ie next day) , 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 *In all cases; apply in good fully dry conditions.*

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.

As Revathane is a clear finish it will accentuate any visible surface defects.

**Timber**

Ensure the surface is clean and dry and well sanded.

**APPLICATION METHOD:**

Brush, roller, spreader.

Apply by roller keeping a wet edge. Apply thin even coats. Allow gentle cross ventilation to allow fumes out and to encourage dry. Do not allow dust etc to blow onto the wet surface. Sand, disc off the surface between coats in some applications, eg timber.

**COVERAGE RATE:**

Walls:	Minimum 2 coats at 8m <sup>2</sup> /litre/coat
Floors (Terraflake):	3 coats at 4m <sup>2</sup> /litre/coat
Timber/cork flooring:	3-4 coats @ 8m <sup>2</sup> /litre/coat
Concrete:	3 coats @ 6m <sup>2</sup> /litre/coat

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

**CLEAN UP:** Solvent HA. 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:

Approx Application Weight

Revtred (glass beads)	50m <sup>2</sup> /550gm pack - broadcast
Microcells (ceramic sphere)	100gms/4 litres- mixed in wet before application.
J61 Sand (fine sand)	2 kgs/m <sup>2</sup> ( or less for a fine non-slip)- broadcast.

A durable, clear non-slip finish for concrete floors is obtained by coating with Revathane and lightly broadcasting ( spreading) a fine silica aggregate. Allow to dry. Apply Revathane as a sealing topcoat. This can be applied interior or exterior. Caution: beware rising damp / water. **Note:** Additive is applied to the second to last coat.

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

Revtred	0.54
Microcells	0.56
J1 Sand	0.63

EXTERIOR concrete coating:

1. Clear finish 2-3 coats @ 5m<sup>2</sup>/ It / coat.
2. Aggregated non slip finish.

Revathane can form a durable slip resistant and stain resistant coating.

2.1 Grind the concrete

2.2 Apply Revathane at 3m<sup>2</sup>/It; while wet apply non-slip aggregates in a light even broadcast.

No colour use K20s; Coloured: use Nuplex Quartzzite in plain colours or a blend. Cure.

2.3 Overcoat with Revathane at 3m<sup>2</sup>/ It evenly.

2.4 Note well that this system does not imply waterproofing qualities to a deck. Also it is a light non-slip not a heavy duty non-slip such as Traxite.

**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; particularly on timber or cork flooring. Apply 3-4 coats at 8m<sup>2</sup>/litre/coat.

**SHELF LIFE:**

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

**PACKAGING:**

4 & 20 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.

