

MANUAL SECTION	ISSUE DATE	AUTHORISED	REPLACES	PAGE
<i>Polyurethanes</i>	<i>Oct 2011</i>	<i>PM</i>	<i>Feb 2004</i>	<i>1 of 4</i>

BECOTHANE 53201

MOISTURE CURED POLYURETHANE for coating of Timber Flooring

DESCRIPTION:

Becothane 53201 is a moisture cured polyurethane with a heavy-duty gloss finish. Moisture cured resin develop very high hardness and durability for use on floors in New Zealand’s indoor / outdoor living environments where scratch resistance is a prerequisite.

It is recommended for use on new or treated cork, timber, parquet, particle board and concrete. It is recommended for all heavy duty applications where a high gloss, long lasting finish is required. The range includes Cork & Timber Finish in 4Lt size.

(previously known as M7)

FEATURES:

- Low viscosity for ease of brushing
- Very hard wearing
- Quick cure
- Sands well between coats.
- Resin made in New Zealand by Nuplex industries.

Note BECOTHANE 53201 is an aromatic moisture cured polyurethane and as such will yellow on exposure to sunlight. Do not use over surfaces where this could pose a problem eg: some parquet, pre-coloured cork. Use Revathane in these circumstances.

Limitations & NOT RECOMMENDED:

- Over linoleum, vinyl.
- If yellowing of the coating is unacceptable.

TYPICAL PROPERTIES:

Base: Solvent based moisture cured polyurethane, aromatic
 Viscosity: Rollable / brushable liquid resin.
 Solid Content: 40%
 Free Isocyanate Monomer: max 0.4%
 Gloss: 95% at 60° (gloss version)
 Shelf Life: 12 months in unopened container
 Storage Conditions: Interior, cool and dry

CAUTIONARY CONDITIONS OF USE: Contains reactive isocyanate.

- Harmful by inhalation and in contact with the skin or eyes.
- Do no spray apply.
- Dangerous Goods Class 3b.
- Hazchem Class 3Y.
- Inflammable: gives off highly flammable vapour. Keep well away from heat, sparks and open flames. Keep closed when not in use.
- Ensure that adequate ventilation is provided when applying i.e. cross ventilate rooms.

No warranty either expressed or implied or statutory is made by NUPLEX in this document except as expressly stated in any sale and purchase agreement entered into between NUPLEX and the buyer. CERTIFIED ISO 9001 REG. NO. 158
 This document is a technical data information sheet The description of the product or products and the properties of the product or products contained in this document is for the sole purpose of identifying the product or products and describing their property or properties and does not constitute a warranty that the product or its properties shall conform to that description; nor is the description of the product and/or its properties a warranty by NUPLEX that the goods are suitable for a particular purpose.

NUPLEX CONSTRUCTION PRODUCTS WWW.NUPLEXCONSTRUCTION.CO.NZ
 PO Box 1 2841, Penrose, Auckland Telephone: 0-9-579 2029, Fax: 0-9-525 3709, Email: bpdsales@nuplex.co.nz

H A M I L T O N	P A L M E R S T O N N O R T H	W E L L I N G T O N	C H R I S T C H U R C H
Telephone: 0-7-847 8658	Telephone: 0-6-353 3685	Telephone: 0-4-477 7040	Telephone: 0-3-366 6802
Fax: 0-7-847 3766	Fax: 0-6-353 3632	Fax: 0-4-477 7039	Fax: 0-3-379 0279

Note Well Moisture curing finishes cure by absorbing moisture from the atmosphere and then hardening. If the tin is open for any period of time or brushes are dipped in and out, then the contents are likely to go solid. Partially filled tins are also likely to go solid over a period of time.

RECOMMENDED SUBSTRATES:

- Cork, Particle board and other composite boards, Parquet, Concrete, Metal floors, Concrete shuttering

Note

1. Suitable for interior use only.
2. Like most polyurethanes, this product will yellow on exposure to UV light. Use the non-yellowing grade if this is unacceptable (Revathane).

PREPARATION OF FLOOR SURFACE: New floors should be sanded, finished with fine sandpaper and vacuumed free from dust. Old floors must be completely free from polish, oil, dirt, grease, moisture etc not only from the surface but also from the pores of the material. For best results the old floor should be thoroughly sanded.

COVERAGE:	Cork Tile:	3-4 coats – approx 8m ² per litre/coat
	Timber:	3-4 coats – approx 10m ² per litre/coat
	Particle Board:	3-5 coats – approx 8m ² per litre/coat
	Parquet:	3-5 coats – approx 10m ² per litre/coat

Important BECOTHANE 53201 M/C Urethane is not recommended for spray application.

Normal drying time is between 8 and 16 hours. The higher the temperature and humidity, the better and quicker the dry. Winter temperatures normally mean coating on subsequent days after a full 24 hours.

It is essential that:

- Brushes or applicators to be used are clean and dry. Use Solvent HA to clean after application.
- All nail holes and patching should be carried out with an appropriate filler .

APPLICATION: Apply BECOTHANE 53201 polyurethane by broad wallpaper brush, brush or pad spreader. Work quickly and apply a thin even coat.

Before using M/C Urethane, calculate the quantity necessary for each coat and pour into a working container. Reseal the original tin immediately. After using, do not return any unused product to the original tin.

Unless you are a skilled tradesman DO NOT pour the polyurethane on the floor (flood coat) and spread out. Small bubbles can arise in the film by using this technique. It may also be slow to dry.

If thinning is required, use Solvent HA directly before application.

Apply with a flowing action and do not brush out. Care should be taken to completely cover the area as once drying commences it is not possible to touch up the finish until the polyurethane is thoroughly dry. Attempts to touch up when partially dry result in "pulling" of the surface. For a superior finish, lightly rub between coats with worn sandpaper, steel wool or a nylon abrasive pad. Apply one coat per day on successive days.

CONCRETE: If applying to concrete, ensure that the concrete is clean, free of loose materials and fully dry. Ensure that there is an effective damp proof course.

Danger BECOTHANE 53201 M/C Urethane is highly flammable. Be careful to see that during application, fires, heaters etc are not in the area. BECOTHANE 53201 Urethane will not support combustion when dry.

RE-TREATMENT: BECOTHANE 53201 Urethane can be re-treated after long periods of time providing the surface is lightly sanded. (Refer to "preparation of floor surface"). Basically, wash the floor with detergent and water. Allow to dry and sand with fine paper until the whole surface is dull. Normally 2 coats are needed to resurface.

MAINTENANCE: To prolong the life of M/C Urethane, floor polishes may be applied.