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M3 SATIN MOISTURE CURED POLYURETHANE

DESCRIPTION: M3 is a moisture cured polyurethane with a heavy-duty **satIn** finish. 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 long lasting finish is required. The range includes Cork & Timber Finish in 4Lt and 1Lt sizes.

- FEATURES:**
- Attractive **Satin Finish**
 - Low viscosity for ease of brushing
 - Very hard wearing
 - Quick cure
 - Sands well between coats

*****Note***** M3 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.

- NOT RECOMMENDED:**
- Over linoleum, vinyl.
 - If yellowing of the coating is unacceptable.

TYPICAL PROPERTIES:

Base:	Solvent based moisture cured polyurethane, aromatic
Viscosity:	Thin brushable fluid
Solid Content:	35%
Free Isocyanate Monomer:	0.4%
Finish:	Satin
Shelf Life:	12 months in <u>unopened</u> container
Storage Conditions:	Interior, cool and dry
Pack Sizes:	5lt & 20Lt Clear Plastic pails

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M3 POLYURETHANE (cont'd)

CAUTIONARY

CONDITIONS OF USE:

- Contains reactive isocyanate. Do not spray apply.
- Harmful by inhalation and in contact with the skin or eyes.
- 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.

*****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

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. The old floor surface should be thoroughly sanded.

COVERAGE:

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

M3 POLYURETHANE (cont'd)

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 Cork & Timber Brush Cleaner to clean after application.
- All nail holes and patching should be carried out with an appropriate filler eg: Timbermate.

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.

APPLICATION:

Care: M3 Satin will separate in the pail. The product is provided in transparent containers to see this. Re-incorporate by gently inverting until the contents are uniform. Do not over agitate / aerate.

Apply M3 polyurethane by broad wallpaper brush, brush or pad spreader. Work quickly and apply a thin even coat.

M3 can be used in conjunction with M7 gloss Urethane. In a 4 coat system often a base coat of Satin may be applied, followed by 2 coats of M7 gloss and finished with a coat of Satin M3. However the two products are inter-compatible and may be used in any combination. 3-4 Coats of M3 may be the simplest for some users.

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. Work only from a tray.

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

M3 POLYURETHANE (cont'd)

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.

*****CAUTION*****

M3 M/C Urethane is highly flammable. Be careful to see that during application, fires, heaters etc are not in the area. M3 Urethane will not support combustion when dry.

RE-TREATMENT:

M3 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 or preferably a stripper (eg: Johnsons Kleen). 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.

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.

Take care that the appearance of the concrete is correct. Application of M3 will accentuate, not hide, defects.

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