
		Data Sheet	
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TITAN Fast Sealer			
 Important Information Mirotone only warrants the quality of the product in the can. It is your responsibility as the user, before application, to ensure that the coating system meets your requirement and is fit for the intended purpose.			
Product Description			
TITAN Fast Sealer is an economical, single pack, fast drying sealer designed to be used as a first coat over raw timber and cork flooring. This product is designed for interior use only.			
Features & Benefits			
Economical:	The TITAN product range provides a cost effective floor coating solution for the budget conscious tradesman or DIY customer.		
Fast Drying:	This fast drying sealer enables three coats to be applied in two days.		
Easy Sanding:	Easy to sand saving time and sanding belts.		
Barrier Coat:	Helps to reduce problems with resin exudation problems in oily timbers.		
Typical Applications			
<ul style="list-style-type: none"> Interior timber floor, particleboard and cork flooring. Not suitable for external applications or wet areas e.g. bathrooms and around swimming pools. 			
Caution: The floor will be slippery when wet.			
Product Properties			
Colour	Milky in can, dries clear		
Sandability	Excellent		
Levelling & Flow	Excellent		
Application Methods			
A 6mm mohair roller can be used to coat the bulk of the floor area. A quality brush can be used to cut in and around skirting boards and edges.			
Application Time			
Only pour out sufficient product to complete the job. Replace the lid immediately to minimise solvent loss.			
Once the can is opened the product should be useable for 2-4 weeks provided the lid is replaced immediately after pouring the amount of coating required for each tray. DO NOT RETURN UNUSED PRODUCT TO THE CAN. This will lead to viscosity increase and a change in the flow characteristics of the product.			
Thinning (Additives)			
Thinning not normally required but, if desired, add upto 5% Thinners 3310 or in hot weather add up to 3% Wet Edge Extender 3320.			
Approximate Drying Times @ 20°C			
Dry:	15-30 minutes, depending on the temperature of the environment.		
Note: Do not apply when ambient temperatures are below 10°C or above 30°C, or when it is extremely dry and windy as flow and cure may be adversely affected.			
Shelf Life			
See product label for Use-By date. All products must be stored in sealed containers below 25°C. Do not use product if past Use-By date.			
Coverage (theoretical)			
Timber, Parquet Floors, Cork Tiles & Particleboard - 12-15 m ² per litre			
Note: The coverage is dependent on the porosity of the substrate.			
Packaging			
Product	Can Size	Net Contents	
TITAN Fast Sealer	20 Litre	20 Litre	
Equipment Clean Up			
Use Super Cleaning Solvent 3300 to clean brushes & rollers. Ensure all cleaning solvents are removed before placing rollers and brushes in coating.			
Application System			
Surface Preparation			
Preparing the floor to a professional standard is essential for achieving the best results.			
1. Fill all nail holes with MIROPUTTY or a compatible waterbased putty.			

- Sand uncoated floor with 150 - 180 grade sandpaper or screenback on a flexible pad to ensure the floor is uniformly dull and smooth with no sanding scratches, nibs or fur. Vacuum all dust thoroughly. Take care to avoid scratching the surface.

Sealing

- Stir TITAN Fast Sealer thoroughly before use.
- Apply a coat of TITAN Fast Sealer by brush around the edges and use a 6 mm mohair cover for the broad floor area. Allow 30 minutes to 1 hour to dry.
- Sand with a burgundy high speed pad or 150 - 180 grade screenback moving quickly to avoid gumming. Vacuum all dust thoroughly. Take care to avoid scratching the surface.

Topcoats

- Apply further coats of TITAN MC Gloss in accordance with all application directions per the product label and data sheet.

Special Notes:

- Only transfer the quantity required for the area to be coated into the applicator tray. Refer to coverage rates for each application. Use fresh coating for each application.
- The coating procedures above will work on most timber and parquet floors under most conditions. However users should satisfy themselves that they have the right system before starting on special timber species, textured, veneered or other special cork floors. Contact Polycure's Technical Department for advice.
- When sanding TITAN Fast Sealer, in order to prevent blockage or gumming, use a burgundy high-speed pad or 150 - 180 grade screenback and move quickly across the floor.
- A third coat in a TITAN Fast Sealer system may cause frying in the second coat, if the second coat is not allowed to cure for at least 24 hours.

Warnings

! **Follow Directions:** Carefully read the contents of this Data Sheet and the associated Material Safety Data Sheet (MSDS). Please do not apply this product unless:

- You have a MSDS in your possession,
- You fully understand these important documents and;
- You are prepared to follow all directions.

! **Not Recommended:** This product is not recommended for the following applications:

- Exterior exposure
- Wet areas
- Non timber related substrates
- Spray equipment (May be sprayed if the correct safety equipment is worn - check MSDS for details).

! **Damage caused by sharp objects:** Coatings can be damaged by sharp objects, due care should be taken in high traffic environments.

! **High Humidity and Moisture In-Service Environments:** All wood will swell and discolour if allowed to come into contact with water vapour. The protection provided by a coating is dependent on the moisture transmission of the coating and on the thickness of the dry coating film applied. Coated sharp edges are usually the most vulnerable to damage either from the coating being removed or by inadequate film builds in high wear / traffic areas. Special care during sanding and coating should always be given to sharp edges as coatings do not build as well onto them, resulting in reduced protection in high moisture environments.

! **Damp Wood:** Do not apply coatings over damp timber (moisture content greater than 15%) or allow the wet coating to be exposed to water or dew during the first hour of drying or blooming (whitening) may occur.

! **High Humidity at Time of Application:** Application of coatings at high humidity will:

- Speed up the drying process and reduce the pot life of polyurethane coatings.
- Increase the risk of blooming (whitening).
- Blooming may occur if the coating is applied over damp wood or exposed to water or dew during the first hour of drying.

! **Cold Temperature:** Application of any coating at low temperatures will reduce the general in-service performance of the coating due to reduced cross linking of the coating. Application below 15°C is not recommended.

! **Curing:** Complete curing of the coating will take up to 10 days, dependant on the weather, during this time floors should not be walked on with street shoes. Care should be taken to avoid dragging furniture over the surface; use protective pads on furniture legs. To extend the life of the floor, mats should be used in doorways to remove dirt and grit from feet. Timber, cork and parquet are relatively soft materials and permanent impressions may be left in the surface by stiletto heels or sharp furniture, even when coated with a polyurethane finish.

! **Temperature Extremes:** Application of any polyurethane coating at low temperatures (below 10°C) and high temperatures (above 35°C) will reduce the general in-service performance of the coating due to inferior cross linking of the coating. Application below 10°C or above 35°C is not recommended.

! **Inter-coat Adhesion:** To ensure sound inter-coat adhesion, thoroughly sand between coats. To reduce the potential for adhesion failure in the field, Mirotone strongly recommends it's customers carry out regular and appropriate quality control testing of their production output.

! **Maintenance:** Floors must be swept frequently and washed with AQUACARE 8440 Floor Clean Concentrate (Caution: Floors will be slippery when wet). To avoid having to resand the floor back to bare timber or cork the surface must be re-coated before it has worn through.

! **Temperature & Sunlight:** Clear coatings do not permanently protect wood from the ageing/discolouration effects of temperature and sunlight. Even when UV absorbers are present in a coating they will sacrificially break down over time and eventually no longer help to protect the substrate.

! **Timber Failure:** Over thinning of this product on the first coat may contribute to "edge bonding or glueing". Users must satisfy themselves that the timber is properly acclimatised and has reached an equilibrium moisture content suitable for the planned inservice environment before coating the floor.

Health & Safety

Refer to Material Safety Data Sheet (MSDS).

Ensure that all Personnel using this product have read and understood this data sheet and the associated MSDS and packaging label before using this product.

Engineering Controls: Avoid inhalation of vapour or sanding dust by maintaining adequate ventilation. Avoid pockets of vapour. This is normally achieved by applying the coating system in a well ventilated area. If inhalation risk exists the operator must wear a respirator. Refer to MSDS for recommended respirator.

Personal Protection: Contact with any chemical should be avoided. Avoid contact with skin and eyes, and avoid breathing the vapour. Wear suitable protective clothing including rubber or PVC gloves and safety goggles. When using, do not eat nor smoke. Take off immediately all contaminated clothing.

Mirotone/Polycure Accreditations

Quality System: Mirotone is certified to AS/NZS ISO 9001:2008 Quality management systems.

Mixed System Policy

A Mixed System is:

Where any coating or additive manufactured by another coating manufacturer is applied under, between, in, or on top of, coatings manufactured by Mirotone. [Additives may include thinners, retarding solvents, hardeners, flow additives, stains or catalysts]; or

Where products manufactured or supplied by Mirotone are used in a manner not approved or recommended by Mirotone on its labels or Data Sheets.

Policy: Mirotone will not recognise any warranty claim from customers or third parties if any Mirotone product has been used in a Mixed System with other manufacturers' products or additives. Mirotone can only warrant the quality of its own range of coatings when used in strict accordance with the recommended coating systems thinners and additives stated on Mirotone's labels and Data Sheets.

Limitation of Liability

This Data Sheet is based on information in Mirotone's possession at the "Date of Issue" above. Later experience may lead to amendments. Users should check with Mirotone to ensure that this Data Sheet is still current.

The information contained in this Data Sheet is based on data appraised in our Laboratories and on our own research, and that of others whose work we believe is reliable. Due to possible differences between controlled laboratory test conditions and methods, and actual application conditions and methods, coupled with possible differences in interpretation of results, the user of this product must satisfy himself that the end result obtainable under his particular application conditions meets his requirements. Special attention is directed to the problem of chemical compatibility, as Mirotone can control only the quality and formulation of its own materials. Mirotone has no control over quality, formulation or consistency of other manufacturers' products or the substrate to which its product is applied. Therefore Mirotone supplies its products only on condition that the consumer himself is satisfied as to the performance of the product in meeting his particular requirements.

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