



POLYTHANE 2043 A/B Two Pack

POLYTHANE 2043 Gloss is a high performance, two pack, gloss polyurethane for interior timber, cork and parquet flooring. It is an extremely durable protective coating that produces a mirror finish when used in a Polycure system.

Advantages

- Highly abrasion resistant
- Extremely durable and hard wearing
- Superior gloss finish
- Excellent flow and levelling results in smooth finish
- Enhances the natural colour of the timber

Typical Applications

Interior use only. Timber, particleboard & cork flooring.

Not suitable for exterior or wet area applications e.g. bathrooms or around swimming pools.

Caution: floor will be slippery when wet.

Product Approvals

POLYTHANE 2043 has been evaluated for AS/NZS 4586:2004: Slip resistance classification of new pedestrian surface materials by Advanced Technology Testing & Research (ATTAR). The coating system passed the requirements of the “Dry Slip Resistance” and was classified as Dry = F. Certificates available on request.

POLYTHANE 2043 (with the addition of Polycure 3920 High Grip Additive) meets the requirements for AS/NZS 4586:2004 Slip resistance classification of new pedestrian surface materials – Appendix D (Oil-Wet Ramp Slip Resistance). Classification group = R11. Certificates available on request. *Refer to the Polycure 3920 High Grip Additive Data sheet for application details.*

Coverage

Approximately

| | | |
|-------------------|-------------------------------|-----------------------------|
| Base coat: | Timber: | 6-8m ² per litre |
| | Cork & Particleboard: | 5-7m ² per litre |
| Subsequent Coats: | 10-12m ² per litre | |

Coverage is dependent upon the porosity of the substrate.

Application Method

By roller or applicator and a high quality brush.

- Roller or Applicator 6mm nap roller.

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- Brush
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Thinning

5-10% Thinners 3310 can be added to improve flow and levelling, overcome slow drying and minimise bubbling.

Up to 5% Wet Edge Extender 3320 can be added in hot and/or humid weather to slow drying.

DURAPOL 5995 Accelerator may be used to speed up the dry time of POLYTHANE 2043. Add between 20-40mls of DURAPOL 5995 Accelerator per litre of POLYTHANE 2043 (one capful -20mls). Only mix as much as would be used in one day. Note: adding more than 5% can result in milky haze or uneven finish.

Dry Time

| | | |
|-------------------|-------------|---|
| Hard Dry: | Overnight. | The surface may be subjected to light traffic after 24 hours. During this period floors should not be walked on with shoes. |
| Full Cure: | 10-14 days. | Care should be taken to avoid dragging furniture over the surface, use protective pads on all furniture legs. |

Low temperatures and heavy film thickness will retard drying times. Direct sunlight and draft during drying may affect the final gloss level of the coating. Prior to coating, during application and whilst the coating is drying it is important to cover all windows, doors and skylights and keep direct sunlight, draft and all sources of heat off the timber.

Application

Preparing the floor to a professional standard is essential to achieve the best results.

Preparation:

- Fill all nail holes with a water based putty, allow to dry.
- Sand uncoated floor with 120-150 grade sandpaper or screenback on a flexible pad to ensure floor is uniformly dull with no sanding scratches, nibs or fur. Vacuum thoroughly. Take care to avoid scratching the surface.
- Thoroughly mix POLYTHANE 2043 Part A and Part B together (1A:1B).
- Apply a liberal first coat of POLYTHANE 2043 allow to dry overnight (min 8 hours to max 24 hours). Alternatively use FASTASEAL 3030 or 3540 as the first coat, allow to dry for 45 minutes.
- Thoroughly sand floor with 150-180 grade sandpaper or screenback, remove all nibs, fluff and fur. Vacuum all dust.
- Apply a second coat of POLYTHANE 2043. Allow to dry overnight (min 8 hours to max 24 hours).
- Thoroughly sand floor with 150-180 grade sandpaper or screenback, remove all nibs, fluff and fur. Vacuum all dust.
- Apply the final coat of POLYTHANE 2043 Gloss.
- Option: If required, AQUAPRO 8270 Advance 2K may be applied as the final coat.

For more information about recoating previously coated floors or UV coated engineered floors refer to POLYTHANE Product Information Guide.

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The information in this data sheet represents typical values. Application variables affect product performance therefore this information should be used as a guide. The user must satisfy themselves as to the suitability of this product for their requirements. Era Polymers assumes no liability for use of this information.

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Note: Only pour sufficient coating to complete the job, replace the lid immediately as exposure to the environment can cause the product quality and performance to be affected. Ensure all opened cans are used within one week. Do not return unused product to the can as this will cause the remaining material to increase in viscosity.

Mixing Ratio

One part POLYTHANE 2043 A to One Part POLYTHANE 2043 B by volume (1A:1B).

Ensure Part A and Part B are stirred well independently prior to mixing together. Once combined mix well, allow to stand for 5 minutes prior to application and stir again before use.

Pot Life

2-3 hours at 20°C. This will vary depending upon atmospheric conditions.

Recommended Sealers

POLYTHANE 2043 (as its own sealer) FASTASEAL 3030 or 3540.

| | | |
|-------------------|-----------------------------|---|
| Properties | Colour | Clear |
| | Finish | High Gloss |
| | Build | High |
| | Sandability | Excellent |
| | Solvent Resistance | Excellent |
| | Water Resistance | Excellent |
| | Levelling & Flow | Excellent |
| | Pack Sizes | 20L |
| | Product Code | Part A 5540-9A-20 Part B 5740-B-20 |
| | Clean Up | Polycure Super Cleaning Solvent 3300. Ensure all cleaning solvents are removed before placing back in the coating. |
| | Shelf Life | Part A 24 months, Part B 12 months, see label for use by date. (store in sealed container below 25°C). Do not use product past use by date. |

Refer to the POLYTHANE Product Information Guide for more information

Note: All coatings provide protection for the timber or substrate. However, no coating is indestructible and all coatings will mark or scratch depending upon what comes into contact with the coating. Sharp objects including sand and grit will scratch the surface of any coated floor regardless of coating type. In high traffic commercial environments such as hair dressing salons, night clubs and taverns many factors need to be considered when choosing a coating system. Refer to the Product Information Guides for further information.

Health & Safety

Before handling, refer to the Safety Data Sheet for health and safety information. Ensure that all personnel using this product have read and understood this data sheet and the associated SDS and packaging label before using this product.

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Note: Coatings give off strong solvents and odours during the drying process. People and pets should be removed from the building during the application and drying of coatings. All food and fabrics should also be removed to reduce the risk of them becoming tainted during the drying process.

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