

BASE

APPLICATION GUIDE

Base 171 PU Waterproofer

APPLICATION INSTRUCTIONS

Surface Preparation

All surfaces should be clean, sound and free from dry or loose material. Check for presence of waxes, mould release or bond breaking agents, oils or other contaminants that may affect adhesion before application. Given the wide variety of substrates and site specific conditions, it is advisable to check adhesion prior to job commencement.

Moulds, lichen or fungal growth should be treated with a suitable algaecide or if unavailable with a dilute bleach solution (1 part household bleach to 2 parts water) to kill any spores. Leave the bleach solution in contact with the surface for approx. 10 minutes then liberally rinse with clean water and allow to completely dry.

Masonry should be flush pointed. Make good any defects in surfaces. Remove any dags, high points or protrusions prior to application. Any laitance in concrete surfaces should be removed with wire brush or by grit blasting.

Application Method

Base 171 is supplied in two parts. Part A is the polyurethane coating and part B is a metered dose of liquid curing agent. Some settlement in part A will occur during storage and transportation. Use a mixing drill (or paddle for smaller containers) and make sure the bottom of the container is scraped well during mixing to incorporate any solids which have settled on the bottom.

**Important - Part A must be well mixed prior to addition of Part B.
After Mixing Part A, add entire contents of Part B into Part A and mix well.**

If only part of the container is to be used the ratio of Part A to Part B must be maintained - ie 1litre Part A to 100ml Part B. Once the container is opened Base 171 will cure in the container over time even if re-sealed. Shelf life of any remaining Base 171 can be extended by spraying with a blanket of dry air (nitrogen). If decanting into another container do not store Base 171 in a plastic container as the reaction with plastic will cause curing.

When applying to less porous or non porous surfaces such as metal, apply a light even coating to all surfaces but do not allow to pool or form drips and run off. For vertical surfaces apply from bottom of wall in an upwards direction.

For tanking and applications in permanent water immersion a second coat is recommended to ensure coverage.

Note:

Prepare all surfaces prior to mixing with catalyst - pot life is approx. 20-30 minutes and viscosity will increase making rolling/brushing difficult after pot life is exceeded.

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Description

Base 171 is a new generation liquid polyurethane coating that can be applied to a wide range of surfaces to provide a tough seamless flexible waterproof barrier. Base 171 can be applied in single or multiple coats to the required thickness with full curing even after exposure to or immersion in water. Base 171 has excellent adhesion to a range of surfaces without priming and is especially suited to application over damp surfaces or in high humidity areas.

Base 171 is a high performance waterproof coating and exceeds the requirements of AS4858:2004 Class III with elongation at break > 600%. When cured Base 171 remains permanently flexible, is UV stable, has excellent abrasion resistance, is resistant to a wide range of chemicals, and suitable for use in industrial applications with operating temperature ranges from -40°C to 90°C.

Base 171 is a 'green product', low VOC, non-toxic, low odour and is approved for use with potable water, making it an ideal solution for sealing water tanks and troughs. With a bond strength of 0.8MPa to wet surfaces Base 171 can be applied in situations where traditional waterproofer are not suitable.

Base 171 has a tensile strength of over 3Mpa when cured and forms a tough flexible membrane suitable for foot traffic.

Base 171 is a versatile coating and can be used for a wide range of projects including, metal protection in marine or industrial applications, creation of antislip coatings in food preparation and wet areas and can also be tinted to create decorative floor and other protective coatings. Base 171 can be used with confidence in permanently immersed projects such as pier and jetty protection, water features, pond and tank liners.

Base 171 is a 100% solids coating and will cure without shrinking. It cures at any thickness and is self-levelling, making it ideal for filling horizontal construction joints in concrete or making strong flexible moulds for casting plaster and concrete, concrete stamping & general hobby use.

Designed for application by roller, brush, pour on or dipping, Base 171 is compatible with a wide range of caulks and mastics, tile adhesives, paints and architectural coatings.

Helpful Tips

Pot life varies according to humidity when used without catalyst, or approx. 20 minutes when mixed with catalyst.

Excess Base 171 should be discarded once it becomes too thick to use.

RECOMMENDATION:

May be applied to damp surface but application to wet surfaces is not recommended as bond strength will be affected.

DISCLAIMER

Customers are advised to consider the information in this data sheet in the context of how the product will be used, including surfaces and any other products used. The information provided in this guide represents our best scientific and practical knowledge. Any advice, information or assistance provided by Base Coatings in relation to its products is given in good faith, however is provided without liability or responsibility. Due to the wide variety of site conditions we are unable to assume liability for any loss that may arise from the use of our products. The user is responsible for checking the suitability of products for their intended use.