



AZCOFLEX TR

ACRYLIC WATERPROOF MEMBRANE

Description

Azcoflex TR is a trafficable high build water based acrylic membrane primarily designed for use in areas where resistance to pedestrian traffic is required. It is UV resistant, hard but still flexible. When cured it gives a seamless tough finish with excellent water ponding resistance and low dirt pick-up and thermal shock stability over a wide temperature range.

Although the tough resin system provides an excellent hard wearing roof membrane, it can also be used for walls. It is a complete protective waterproof barrier for severe weather conditions, wind driven rain, salt spray and UV exposure.

Azcoflex TR can be tinted to a wide variety of pastel colours and is free of external plasticisers so it maintains its durability over a prolonged period.

Substrates

Azcoflex TR can be used over a wide range of properly prepared and primed substrates including concrete, timber, asbestos cement (AC) sheet roofing, steel roofs, block work, bricks, cement sheet and primed bitumen.

Principal Uses

Azcoflex TR is designed to be used on:

- All roofing materials
- Parapets
- Old bitumen roofs
- External walls
- Pedestrian traffic roofs

Surface Preparation

All surfaces must be clean, dry, of sound construction and free of any dust, dirt, grease, oil, curing compounds or general work site detritus that might interfere with adhesion.

Primer Coats

The following primers are recommended for use with Azcoflex TR:

Substrate	Primer
Concrete	Azcoflex MaxiPrime
AC Sheet	Azcoflex
CFC Sheet	Azcoflex MaxiPrime
Metal	Metal etch Primer
Timber	Primeseal
Bitumen	Primeseal

Azcoflex Application

Apply a single coat of Azcoflex by brush, roller or spray at the rate of 4-5 m² / litre. Ensure that the primer is fully cured before overcoating to prevent trapped solvent from causing gassing bubbles.

MaxiPrime Application

MaxiPrime is a concentrated primer and should be diluted 50% with water before use. Allow to dry prior to overcoating.

Primeseal Application

This is a water clean up two component epoxy primer. Mix parts A & B (1:1, v:v) thoroughly before application. Do not add water. Allow to fully cure before overcoating.

Preparation

Corners: Apply a 10 - 15mm diameter bead of a suitable elastomeric polyurethane joint sealant to all corners and tool off to form a 45° fillet. Allow to cure in accordance with the manufacturer's instructions (usually overnight) before covering with a 50mm strip of bond breaker tape.

Gaps, cracks & expansion joints:

Open any cracks that are likely to need detailed attention to form a "v" and fill them with a suitable elastomeric

polyurethane joint sealant in accordance with the manufacturer's directions. Sealant should also be run along the length of other cracks. In cases where excessive movement is a consideration the fully cured sealant should be covered with a 50mm bond breaker tape.

Penetrations: Gaps between penetrations and the substrate must be filled with a non-shrink mortar and a polyurethane joint sealant and allowed to cure before waterproofing.

Application

Application can be with brush, spray or roller. **N.B.** Typically this will be an external application so do not apply membrane if rain is imminent and ensure the application is protected if rain is forecasted.

Membrane Application

1st Coat

Apply a first coat of Azcoflex TR using brush, roller or spray over the prepared and primed surface at the rate of 0.75 litre / m². While the surface is still wet embed fibreglass or Durascrim reinforcing fabric into the membrane. The reinforcing must be well worked into the wet membrane to eliminate trapped air and wrinkles. It is advisable to only work with areas that can be managed while the membrane is still wet to eliminate dry patches. Azcoflex TR will dry on the surface very quickly with some assistance from sun and wind.

Inspect the finished surface over night curing and cut out and replace any trapped air bubbles before proceeding. The surface should be smooth with a regular profile from the embedded reinforcing and free of bubbles, wrinkles or any surface defects.

IMPORTANT

The product information contained in this data sheet is given in good faith based upon our knowledge and current information and does not imply any warranty. The information contained herein is provided on the basis that the product is applied in a proper manner strictly in accordance with instructions onto correctly prepared surfaces which shall remain sound, stable and free of cracking or movement. Instruction application deviation may diminish or negate the performance of the product. Under no circumstances will the Company be liable for any loss, consequential or otherwise, arising from the use of the product. We reserve the right to amend specification and application techniques without prior notice.

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Membrane Application

2nd Coat

Apply a second coat of Azcoflex TR by brush roller or spray at the rate of 0.75 litre / m². application should commence from the top of the parapet walls (if appropriate) and continue along the horizontal surface until the area is fully coated.

It is important to ensure that the second coat is fully worked into the surface so that any dry patches are eliminated.

3rd Coat

There are occasions when the use of a third application might be considered necessary.

Typically this should be considered in coastal / marine environments or where excessive pedestrian traffic is anticipated. Application will be at the rate of 0.75 litre / m².

Clean Up

All tools and equipment should be cleaned in water as soon after completion as practical.

Safety

Duram Industries condones and supports the best practice with regard to health and safety both in the use of this product and on all work sites. A Material Safety Data Sheet is readily available from our offices.

Specification Data

The data provided is typical but does not constitute a full specification, neither should this data be construed as implying a warranty without the preparation of a site specific specification for any particular project.

Duram industries will provide a full and complete specification for all projects free of charge when our products are specified and used.

Technical Data

Shelf Life: Up to 12 months in unopened containers and 6 months after resealing open pails. The above data is based on 25°C and 50% RH. Performance and shelf life can vary when stored in extreme conditions.

Cure Time: Substrate porosity, temperature, humidity and film thickness will impact on cure time. Typical cure is achieved for a 500 micron (dry) film after overnight drying at 25°C and 50% RH.

Service Temperature: 10°C to 50°C
Application Temperature: 5°C to 30°C

Packaging

4 and 20 litres.

Disclaimer

The company's liability in respect of this product is limited to the replacement of proven faulty product and is not responsible for any loss or damage arising from its use or any consequential damage whatsoever.