

ACTFLEX 600 PRIMER

PRODUCT DESCRIPTION

Formulation and Composition: ACTFLEX 600 Primer is meticulously engineered as a one-component formulation, harnessing the advantages of moisture-cured chemistry. Its composition is designed to interact synergistically with a diverse array of substrates, facilitating robust adhesion and surface preparation.

Adhesion Enhancement Mechanisms: At the core of ACTFLEX 600 Primer's functionality lies its exceptional adhesion enhancement mechanisms. Leveraging its moisture-cured nature, this primer establishes a molecular bond with the substrate, creating an interlocking interface that primes surfaces for subsequent treatments. This bond ensures that the primer not only adheres effectively to the substrate but also facilitates a strong connection with applied coatings, adhesives, or sealants.

ROLLER, BRUSH GRADE OR SPRAY.

PACKAGING (weight)

- 4L
- 17L

PROPERTIES

Appearance:	Translucent Matte, Viscous Liquid.	Vapor Pressure @ 25oC:	3.8 KPa.
Odour:	Solvent Odour.	Flash Point:	>23 OC.
Solvent Resistant:	Good When Fully Cured	Density @ 25oC:	1.0-1.2 G/ML.
Toxicity:	Dry Film Is Not Toxic.	Volatile Content:	<70 %(W/W).
Solubility:	Soluble In Organic Solvent Insoluble In Water.	Touch Dry Time, Minimum:	30 Minutes At 20°C And 50% R.H. 15 Minutes At 30°C And 50% R.H.
Waterproof Time:	3 Hours At 25°C And 50% R.H.	Full Cure:	6 Hours At 25°C And 50% R.H.
Coverage:	4m ² To 6m ² /L Depending On Surface.	Application Temperature:	10°C – 26°C.
Usable Period After Opening:	Within Same Day	Recommended Thickness:	50-100 Microns (Dry Film)
		Shelf Life:	9 Months

• **Suitable Surfaces:** ACTFLEX 600 Primer is well-suited for a variety of surfaces, both new and previously treated. Its compatibility spans the following substrates:

1. New and aged concrete surfaces
2. Rendered surfaces
3. Masonry structures
4. Compressed fibrous cement substrates (Fibro)

• **Surface Preparation:** Prior to application, meticulous surface preparation is paramount to ensure optimal adhesion and performance of ACTFLEX 600 Primer. Follow these preparatory steps:

1. Structural Integrity: Confirm that the surface is structurally sound, devoid of any structural vulnerabilities that might impair the primer's bonding.
2. Surface Dryness: Ensure the surface is thoroughly dry. Eliminate all traces of moisture as residual dampness can impede adhesion. This is particularly significant in promoting the formation of a robust molecular bond.
3. Thorough Cleansing: The substrate should be scrupulously cleaned to eliminate contaminants that could hinder adhesion. Any oils, dust, or residual substances must be entirely eradicated.
4. Defect Rectification: Address any surface anomalies, such as holes or non-structural cracks, by employing a concrete repair system consistent with the manufacturer's stipulations. These remedial measures ensure a level, uniform surface.

• **Application Variability Factors: Understanding certain variables that influence the application process is essential for optimal outcomes:**

1. Temperature Consideration: Cooler ambient temperatures could extend the drying period of ACTFLEX 600 Primer. Be cognizant of the environmental conditions during application.
2. Film Thickness Influence: The drying time of the primer can also be influenced by the thickness of the applied film. Thicker films might require additional drying time for proper curing.
3. Humidity Impact: Elevated humidity levels can lead to prolonged drying times. Factor in the humidity of the application environment when assessing drying expectations.

• **Prudent Storage Practices: To safeguard the quality and efficacy of ACTFLEX 600 Primer, adhere to these storage guidelines:**

1. Hermetic Resealing: While in use and after application, tightly reseal the product container. Atmospheric exposure to moisture can cause the primer to thicken, potentially compromising its usability.
2. Moisture Sensitivity: Recognize that improper storage conditions might result in product instability within the container. Maintaining suitable storage conditions is pivotal in preserving the primer's integrity.

APPLICATIONS

- Stir the primer thoroughly before application to ensure uniform composition.
- Apply ACTFLEX 600 Primer using a roller or brush for versatile application.
- Achieve even and thin coverage over the substrate, ensuring complete adherence.
- Allow the primer to dry and cure according to specifications before applying coatings or adhesives.
- Once fully cured, proceed with subsequent coating or adhesive application for a strong bond.

LIMITATIONS

- A sample test application is recommended on all substrates as staining may occur.
- ACTFLEX 600 Primer is NOT recommended for particle board or chip board.
- ACTFLEX 600 Primer is NOT a vapour barrier. Moisture will cause the primer to blister and peel.
- ACTFLEX 600 Primer is NOT suitable for exposure to sunlight and must be protected from sunlight after 48 hours of full cure.
- Improper storage may result in instability of product in can.

STORAGE

Ensure Primer is stored and locked up in original unopened containers, in a cool, dry, well-ventilated location at temperatures between 10°C to 25°C. Avoid direct sunlight. Store away from source of heat or ignition.

DO NOT store in pits, depressions, basements or areas where vapours may be trapped.

CLEANING

Clean up immediately while still wet. Wipe down with solvent to clean tools & equipment. Once dry, is difficult to remove and mechanical means may be necessary. No.1. Observe all OH&S and MSDS information pertaining to safe usage and handling of solvents.

DO NOT discharge product or water from cleaning into sewer or waterways.

DO NOT touch the spill material.

SAFETY PRECAUTIONS

When handling DO NOT eat, drink or smoke. ACTFLEX 600 Primer is hazardous and may cause sensitisation by skin contact. Use breathing respirators at all times. Wear PPE, protective gloves, clothing, eye goggles with shields, and face protection. Immediately take off all contaminated clothing and thoroughly rinse area that has been in contact with product. In case of eye contact, rinse with plenty of water and contact Doctor or Poisons Information Centre. If swallowed do not induce vomiting and immediately contact Doctor or Poisons Information centre on 131 126 (AUS). Additional information is listed in the Material Safety Data Sheet SDS can be down loaded from www.thewaterproofingshop.com.au.

Data Sheet

This Technical Data Sheet and the Material Safety Data Sheet (SDS) may be revised at any time to comply with relevant changes to the Australian Standards or to include changes to current technology. Always read the current SDS and TDS carefully prior to use, as application and performance data may change from time to time. It is always best to request a copy of the latest technical data from Actech Protective Coatings by calling 02 8021 3517 or emailing admin@actechpc.com.au.