

AcryShield 60[®]

ichem[®]
building solutions

Product
Guide



Weather Resistant



Exterior



Interior

Description

The **AcryShield 60[®]** is an elastomeric single component liquid applied waterproofing membrane based on aliphatic acrylic resins for elastic and durable features. **AcryShield 60[®]** has excellent adhesion to most substrates including concrete, plaster, masonry, and metal surfaces. The membrane formed by application of **AcryShield 60[®]** is resistant to ultra violet rays. This allows the product to perform perfectly in direct sun light. Therefore it can be applied to building roofs, hanger roofs, factories, stores and metal sheds.

Key Features

- Semi-gloss.
- Highly flexible to be applied where movement is expected.
- Improves the working environment.
- Solvent-free.
- Durable and hardwearing.
- Limited maintenance.
- Easy to apply.
- Available in a wide range of colours by **RAL**.
- High build, odorless liquid applied membrane in single application.



Application Instructions

Surface Preparation: Surface preparation plays a vital role in determining the durability of any coating. Therefore proper care should be taken while executing it. The concrete should be a minimum of 28 days old before any coating or toppings are applied. The surface should be free from dust, dirt, rust, curing compound, oil etc. We recommend captive shot blasting as the most suitable preparation.

Priming: On most new concrete floors priming may not be required, however for the best adhesion, Prepare the surface with a water-diluted **AcryShield 60[®]** solution and allow to dry.

Mixing & Application: is a ready to use single component product. To ensure full homogenous mix, shake the pail while closed or mix slowly for 3-5 minutes using a paddle with slow speed drill till a homogenous mix is reached. Leave the mixed material for a period of 2 minutes to release the entrapped air within the mix before application.

- On top of concrete surface, it is recommended to perform proper cleaning of the substrate to ensure it is free from contaminants and curing compound residue.

- On top of Polyurethane foam, ensure that the surface of the foam is clean, free of dust or contamination. If the PU foam was shaved to slope, ensure the surface is clean without residual before applying **AcryShield 60[®]**.

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- Over bituminous membranes on roofs, ensure the membrane is clean, free from contaminants and has no de-bonding blisters.

- Over steel surfaces, it is recommended to prepare the steel by mechanical means or blasting to ensure proper adhesion.

AcryShield 60[®] should not be applied on surfaces with a risk of rising dampness. Be aware that all Water test should be run after 14 days of material application to allow the membrane to be fully cured. Additional coat of product should be applied around penetrations such as pipes and conduits to ensure proper sealing and waterproofing features. In applications where movement and foot traffic is expected over the roof, it is recommended to embed a **iShield PPS[®]** in the first coat while fresh. Apply the second coat to cover the mesh fully and ensure proper thickness of material applied. For porous substrate, or in a very hot climate, it is recommended to apply the first coat of **AcryShield 60[®]** diluted with 20% of water.

Technical Properties & Standards

Density	1.25 Kg/l
Shore A hardness	30
Tensile strength	12.0 N/mm ²
Solid content	60 %
Pot life	50 minutes at 25°C
Touch dry time	8 hours at 25°C
Water Resistance	1.5 Bar
Crack Bridging	2.5 mm
Color	Gray, White
UV resistance	No Effect
Elongation	Above 300 %
Water penetration	NIL
Adhesion to concrete	1.0 N/mm ²
Service Temp	-10 to 60°C
Packaging	20 kg & 5 kg bags

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Cleaning Tools

Tools and equipment should be cleaned, immediately after use, with **iSolv S40[®]**. After the hardening, the product can be removed only by mechanical means.

Quality

All products manufactured by iChemEG, or imported from iChemEG affiliate companies worldwide, are manufactured to procedures certified to conform to the quality, environment, health & safety management systems.

Storage

Store under cover, out of direct sunlight and protect from extreme temperatures. In tropical climates the product must be stored in air-conditioned environment.

Shelf Life

Shelf life is up to 12 months when stored as per recommendations.

Health and safety

As with all construction chemicals products caution should always be exercised. Protective clothing such as gloves and goggles should be worn. Treat any splashes to the skin or eyes with fresh water immediately. Should any of the products be accidentally swallowed, do not induce vomiting, but call for medical assistance immediately. Observe warnings on packing. Ecology In liquid state components (A+B) contaminate water. Do not dispose of into water or soil but according to local regulations.

Legal Notes

The information provided in this data sheet, are given in good faith based on our current knowledge and experience of the product when properly stored, and applied by professional applicator, and under normal conditions in accordance with the mentioned recommendations. In practice under actual site condition differences are such that no warranty can be issued nor any liability can be taken, arising out of any legal relationship whatsoever. The product must be tested onsite to check its suitability for the intended application and purpose.

