

ARKSEAL E

Bitumen emulsion coating

DESCRIPTION

ARKSEAL E is a brush-applied, water-based sulphate resistant bitumen coating, it is formed by the anionic emulsification of pliable bitumen and is both stable and easy to apply. It adheres to all types of surfaces and can also be diluted to become a penetrating primer coat for us on porous surfaces.

USAGES

- General purpose damp-proof coating
- Vapor barrier for both and below underground structures
- Underground structures, e.g., foundations basements, spouts, gutters, etc.
- Bonding and priming coat for a variety of bitumen based waterproofing systems

STANDARDS

ARKSEAL E is formulated to comply with all requirements of ASTM D-1187.

ADVANTAGES

- Excellent anti-corrosion
- Excellent bonding strength on dry surfaces
- Non-toxic when cured
- Easy application
- Can be diluted and used as a primer
- Compatible with other bituminous waterproofing systems
- Excellent resistant to mild acids & Alkalis
- Shows no erosion or cracks when subject to UV

TECHNICAL DATA

ARKSEAL E

Typical values

<i>Appearance</i>	Brown dries to black
<i>Density @25°C (ASTM D 244)</i>	0.99
<i>Viscosity @25°C (ASTM D-88)</i>	20 – 100
<i>Bitumen content</i>	60%
<i>Ash content</i>	3.8%
<i>Residue by vapor. (ASTM D-2929)</i>	58 – 68%
<i>Flash point (ASTM D92)</i>	> 40°C
<i>Adhesion to dry surfaces</i>	Excellent
<i>Touch dry</i>	2 hours
<i>Full cure</i>	8 hours
<i>Service Temp.</i>	-10 – 50°C
<i>Flexibility @25°C</i>	No cracks

USAGE INSTRUCTIONS

1. Surface preparation

All substrates shall be sound, clean, free from dust, grease, oil, curing compound and releasing agents.

If necessary hot steam cleaning, light grinding or roughening by sandblasting when dirt and grease critically present.

Surface should be thoroughly saturated with water prior to application.

2. Priming

ARKSEAL E can be diluted 1:1 ratio to fresh clear, once it is applied, allow 2-4 hours drying before applying the membrane coat.

3. Application

Stir **ARKSEAL E** thoroughly before application, then apply a coat by brush, squeegee on horizontal surfaces.

ARKSEAL E first coat to be applied as a primer, then apply a second coat on the prepared surface. If the surface is topped with concrete, it is recommended that

it should be lightly sprinkled with sand as soon as it is laid, which will act as a protective layer.

Excess sand should be brushed off prior to laying the screed.

STORAGE & SHELF LIFE

ARKSEAL E shall be stored in its sealed container under dry and shaded place in a temperature from 10°C - 35°C, shelf life of the material is 12-months.

ARKSEAL E	Coverage
<i>Dilute 1:1</i>	6 –10 m ² /liter
<i>Smooth concrete</i>	4 – 6 m ² /liter
<i>Metal surfaces</i>	6 – 10 m ² /liter
<i>Dry Film Thickness (DFT)</i>	100μ

4. Cleaning

Clean all tools and application equipment with a suitable thinner immediately after use. Hardener or cured material can be only removed mechanically or by hand tools.

PACKAGING

ARKSEAL E is supplied in 20 & 200 liters.

HEALTH & SAFETY

Before applying **ARKSEAL E**, all safety protections should be worn during application, such as safety goggles and rubber gloves to avoid any harmful accidents.

If **ARKSEAL E** is splashed to skin, it must be removed, before it hardens, with resin removing cream follow by water and soap at once, and if to the eyes seek medical attention immediately.

TECHNICAL SERVICE

The technical service department of Arkaz is available to assist in the correct and best use of our products, these resources and advice are at your disposal entirely without obligation.

Please contact:
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