Optima
COATINGS

DATA SHEET

WATERPROOFING

DurashieldAC Primer

Optima Coatings Durashield AC Primer is a water-based penetrative primer used to seal both interior and exterior weathered asbestos or non-asbestos (Nutec) fibre cement roof sheets by penetrating through existing fungus, lichen and degraded asbestos to a suitable surface and by binding all of these unstable elements. The primer also has anti-fungal and algae additives to eliminate regrowth of lichen and moss. It forms part of the OPTIMA COATINGS DURASHIELD ASBESTOS ENCAPSULATION SYSTEM when used in conjunction with Durashield 850 HB for external weather exposed environments.

Colours:Clear

PRODUCT USES

- As per the Draft Asbestos Abatement Regulations of January 2018 Type 1 asbestos work is allowed ‘’painting of asbestos cement products in a manner that does not require surface preparation” which does not require registration as a registered asbestos contractor with the chief inspector.
- Binds the loose fibres in weathered asbestos roof sheets.
- Priming on most porous substrates to be subsequently overcoated.

ADVANTAGES

- Easy to apply - no skilled labour required.
- Compatible with most surfaces.
- Limits the growth and spreading of lichen and moss (fungi and algae) on the asbestos roof sheeting.
- Economical and no specialized equipment is required
- Strengthens and waterproofs all cementitious substrates.
- Improves the adhesion qualities of cement and resists substrate movement.
- Good abrasion resistance.
- UV stable.
- Non-toxic and environmentally friendly.

PACKAGING

Optima Coatings’DurashieldAC Primer is supplied in 20litrecontainers and 5 litre containers on request.

SURFACE PREPARATION

- Prior to commencing the project ensure that all the necessary Asbestos Regulations have been complied with.
- Remove loose detriment and physical objects ie. Stones, roof screws etc on the roof manually and follow this up with an industrial vacuum cleaner with a filtration efficiency of at least 99% for particles one micrometer in size if required. Consult with an Optima Coatings representative for more detailed information project dependent.
- Conduct an adhesion test to assess the weathering of the asbestos fibres and how exposed they are. This will impact on the amount of Durashield AC Primer to be applied to ensure acceptable encapsulation.
- Moisture content of less than 10% is recommended to allow sufficient penetration of primer into the roof sheets

APPLICATION

Application:

- Apply at 4 – 6m2 per litre per coat using a low-pressure spray, brush or roller.
- The compound becomes clear when dry and can then be overcoated.

- Firstly, assess to see whether the asbestos has been encapsulated after the first coat using a self-adhesive tape 'pull off test'. If fibres are still evident on the tape then recoat.

Overcoating:

- It is important that any overcoat be applied to Durashield AC Primer after 3-4 hours and within a 24-hour period. Once fully cured inter-coat adhesion may be reduced.
- Overcoat with Durashield 850 HB a UV reflective elastomeric waterproof coating which forms part of the OPTIMA COATINGS DURASHIELD ASBESTOS ENCAPSULATION SYSTEM

COVERAGE

- 1 litre per 4 to 6 m² per coat depending on porosity of surface. A second coat may be required after assessing the binding together of the asbestos fibres. Please consult an Optima Coatings technical sales consultant for if confirmation is required.

CLEANING OF EQUIPMENT

- Remove uncured Durashield AC Primer mixture from tools with water.
- Cured material can only be removed mechanicallyAs a good roofing practice, flush all hoses, equipment and tools with water immediately after use.

SAFETY PRECAUTIONS

- Use in well ventilated areas.
- Safety goggles and protective gloves are recommended.
- Remove contaminated clothing immediately.
- Keep out of reach of children.
- Not for internal consumption, do not ingest.
- Skin contact: Wash thoroughly with soap and water.
- Eye contact: Flush immediately with water for 10 to 15 minutes and contact a doctor.
- Respiratory problems: Remove affected person to fresh air immediately and contact a doctor.

TECHNICAL DATA

Pack size	5 litre& 20 litre
No components	1
Touch drying time	2 to 3 hours
Overcoating time	3 to 4 hours
Hard curing time	4 to 12 hours depending on conditions
Volume Solids	30% to 32%
Viscosity	11.6 seconds F4
Service Temperature	0ºC to 40ºC
Application temperature	5ºC to 40ºC
Flash Point	Non flammable
Density	1,1558 g/cm³
Fire Hazard	None
Cleaner	Water when wet
Shelf life	24 months
Storage	Cool dry conditions

Technical details above are provided in good faith. We are an ISO 9001: 2008 registered company and our products are manufactured to the highest standards using raw materials of superior quality. Consequently we believe in the quality of our products and will willingly replace any product in the unlikely event of a quality related performance failure. Whilst we are confident in guaranteeing the quality of our products, we cannot however accept any liability for performance failure due to the incorrect application of our products. Correct application is critical to the successful performance of our products and as this process falls outside of our control we are unable to cover the application under our product performance warranty. Where there are doubts, it is recommended that the user conduct their own suitability tests before use. To retain sheen and colour consistency of your paint, always make sure that the batch numbers are the same on all paint containers that you purchase.

Updated: March 2016 (this supercedes all previous publications)