

Emer-Clad Firecheck

Fire retardant protective coating for concrete and masonry surfaces

USES

On timber and all types of building boards, ceiling tiles, panelling etc. Over polyurethane and styrene foam insulation, pipe lagging or similar it provides a fire retardant, abrasion resistant, flexible skin that also withstands weather and wear.

ADVANTAGES

- Dramatically reduces spread of flame
- Single component
- Water based
- Elastomeric coating
- Excellent weather and wear resistance

STANDARDS COMPLIANCE

Emer-Clad Firecheck has been independently tested in accordance with AS 1530 Part 3.

Ignitability (0 - 20):	0
Spread of flame index (0 - 10):	0
Heat evolved index (0 - 10):	0
Smoke index (0 - 10):	3

DESIGN CRITERIA

Emer-Clad Firecheck is designed to be applied by brush, roller or airless spray over a selected primer, to achieve dry film thickness of not less than 350 microns in two coats on vertical surfaces. To achieve correct protective properties Emer-Clad Firecheck must be applied to substrate at coverage rates recommended.

DESCRIPTION

A single component, high solids acrylic copolymer coating applied over a range of primers dependent on substrate type. Dramatically reduces spread of flame and ignitability of surfaces to which it is applied. It has excellent weather, chemical and wear resistance and provides an elastomeric film that withstands substantial movement.

Emer-Aquashield, a water based two component epoxy and Emer-Coat Clear Sealer, a synthetic rubber based sealer are applied to concrete and masonry substrates to provide excellent adhesion. Emer-Gard Primer Type 2, a modified alkyd primer is used to prime steel. Emer-Coat Special Primer contains special non-toxic anti-corrosion pigments and is used to prime aluminium, galvanised steel and zinc. Emer-Acrylic Sealer, an acrylic latex primer is used to prime timber work.

PROPERTIES

Solids:	55%
Physical or chemical change:	Dries through loss of water
Tack free time at 25°C 50% RH:	30 minutes
Recoat time at 25°C 50% RH:	2 hours
Drying time at 25°C 50% RH:	7 days
Application temperature:	10 - 40°C
Service temperature (continuous ambient):	0°C - 50°C

MAINTENANCE

No special requirements, any damage identified during inspections should be repaired or replaced as appropriate.

SPECIFICATION CLAUSES

FIRE RETARDANT ELASTOMERIC PROTECTIVE COATING

The fire retardant elastomeric protective coating shall comprise a suitable primer system overcoated with Emer-Clad Firecheck a single component elastomeric coating suitable for application by brush, roller or spray. Total dry film thickness shall be not less than 350 microns.

The coating shall pass AS 1530 Part 3 when tested for ignitability, spread of flame, heat evolved index and smoke developed index.

APPLICATION INSTRUCTIONS

SURFACE PREPARATION

Before using Emer-Clad Firecheck, it is important to ensure surface which it is applied is clean, dry and free from dust and loose material. All contaminants such as oil, grease, fungi, stain or any surface laitance to be removed to ensure adequate development of bond when coating is applied.

PRIMING

Masonry surfaces to be primed/sealed with Emer-Aquashield, Emer-Coat Clear Sealer or Emer-Acrylic Sealer as applicable. Steel to be primed with Emer-Gard Primer Type 2. Timber work to be primed with Emer-Acrylic Sealer. Note: first coat should be allowed to dry for 24 hours.

APPLICATION

Emer-Clad Firecheck may be applied by brush, roller or airless spray. Application using brush or roller requires laying material onto the surface, avoiding brushing out, to achieve the required film thickness per coat. A minimum of two coats are required on vertical surfaces to achieve total dry film thickness of approx. 350 microns. Product will be touch dry in approx. 30 minutes and may be overcoated after 2 hours drying under normal conditions. This can be assessed at the time of application and is influenced by ambient temperature and type of surface to be treated.

CLEANING

Tools and equipment should be cleaned with water immediately after use.

LIMITATIONS

Do not apply to uncured concrete or while rain threatens, or at temperatures below or which may fall below 10°C during the drying period. Emer-Clad Firecheck is not recommended for surfaces subjected to hydrostatic pressure.

ESTIMATING

SUPPLY

Emer-Clad Firecheck:	20 litre pails
Emer-Coat Clear Sealer:	1, 4 and 20 litre pails
Emer-Coat Special Primer:	1, 4 and 20 litre pails
Emer-Aquashield:	2, 4 and 20 litre packs
Emer-Gard Primer Type 2:	1, 4 and 20 litre pails
Emer-Acrylic Sealer:	1, 4 and 20 litre pails

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COVERAGE

Emer-Clad Firecheck:	3.0 m ² /litre/per coat
Emer-Coat Clear Sealer:	8 m ² / litre
Emer-Coat Special Primer:	12 m ² / litre
Emer-Aquashield:	6 m ² / litre/per coat
Emer-Gard Primer Type 2:	12 m ² / litre
Emer-Acrylic Sealer:	12 m ² / litre

The coverage figures are theoretical – due to wastage factors and the variety and nature of possible substrates, practical coverage figures may be reduced.

STORAGE

SHELF LIFE

12 months if stored correctly.

STORAGE CONDITIONS

Storage in dry conditions at temperatures between 5°C and 30°C in the original, unopened containers. If stored at high temperatures, the shelf life may be reduced.

IMPORTANT NOTICE

A Material Safety Data Sheet (MSDS) and Technical Data Sheet (TDS) are available from the Parchem website or upon request from the nearest Parchem sales office. Read the MSDS and TDS carefully prior to use as application or performance data may change from time to time. In emergency, contact any Poisons Information Centre (phone 13 11 26 within Australia) or a doctor for advice.

PRODUCT DISCLAIMER

This Technical Data Sheet (TDS) summarises our best knowledge of the product, including how to use and apply the product based on the information available at the time. You should read this TDS carefully and consider the information in the context of how the product will be used, including in conjunction with any other product and the type of surfaces to, and the manner in which, the product will be applied. Our responsibility for products sold is subject to our standard terms and conditions of sale. Parchem does not accept any liability either directly or indirectly for any losses suffered in connection with the use or application of the product whether or not in accordance with any advice, specification, recommendation or information given by it.



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