Product Data Sheet

PR-1

ACT AUSTRALIA
ENGINEERED ADHESION

Impervious Substrate Primer

DESCRIPTION

ACT PR-1 is a fast drying specialist one coat primer for use over difficult to adhere to substrates and materials such as existing tiles, vinyl, metal, plastic and other non porous substrates including dense concrete, Scyon and Cemínseal Boards. **PR-1** can be used to improve the adhesion of tile adhesives, waterproofing membranes, screeds, renders and paints.

FEATURES & BENEFITS

- ◊ User friendly
- ◊ Fast drying
- ◊ High adhesion
- ◊ Water based
- ◊ Suitable for internal and external applications
- ◊ Saves time and money
- ◊ Eliminates grinding or removal of existing substrate
- ◊ Apply by brush or roller
- ◊ Textured finish

SUITABLE FOR

- ◊ Priming over existing tiles
- ◊ Priming over existing vinyl
- ◊ Priming over acrylic and oil-based paints
- ◊ Priming over dense concrete
- ◊ Priming over most metals
- ◊ Priming non-porous surfaces
- ◊ Priming over epoxy coatings
- ◊ Scyon Boards
- ◊ Cemintel Boards

SUBSTRATE PREPARATION

All substrates must be clean, dry, free from dust, wax, grease, oil, laitance, curing compounds and release agents. Flexible building boards such as F/C sheeting and plasterboard must be fixed in accordance with the manufacturers written instructions. Excessive dust should be removed by sponging down substrate with clean water before applying **PR-1**. **ACT Australia SCR-100** Pre-blended Screed must be allowed to cure for a minimum of 24 hours. Generic sand and cement screed must be allowed to cure for a minimum of 7 days. Concrete must be allowed to cure for a minimum of 28 days. Metal surfaces must be free from rust and oxidisation film etc. Existing tiles must be sound and not drummy. Vinyl tiles or vinyl adhesive residue must be clean and dry. Painted surfaces must also be soundly adhered, remove any loose or flaky paint. If in doubt with any of the above please contact **ACT Australia Technical Services.**

APPLICATION

Before applying **ACT PR-1** stir thoroughly to ensure consistency of product. Apply **PR-1** to prepared substrates using a brush or roller.

DRYING

Tack Free: Allow 15 minutes at 23°C
Dry Film: Allow 60 minutes at 23°C
Drying time may vary depending on surface porosity, relative humidity and ambient temperatures.

CLEAN UP

ACT PR-1 can be removed from the surface using a damp cloth while the product is wet. Tools and equipment can be scrubbed clean with warm water prior to drying.

COVERAGE

4 litres of **ACT PR-1** will cover approximately 60m2 depending on type and porosity of substrate. Cured film thickness should be no less than 0.20mm.

SHELF LIFE

In unopened original packaging for up to 12 months when stored in a cool, dry environment off the ground and out of direct sunlight.

LIMITATIONS

- ◊ Is not suitable for solvent based finishes.
- ◊ Do not use in uncovered external applications.
- ◊ **ACT PR-1** is not suitable for continuous water immersion applications, such a swimming pools etc.
- ◊ Do not apply over 100% polyurethane waterproofing membranes or coatings.
- ◊ Do not apply over wet or damp substrates.
- ◊ **PR-1** is not to be diluted.
- ◊ Do not apply in temperatures below 5°C and above 35°C and hot and windy conditions.
- ◊ If in doubt, contact **ACT Australia Technical Services** for further information and advice.

SAFETY DIRECTIONS

ACT Australia supports best practice in material handling. Provide good ventilation- open doors and windows and use circulating fans. Appropriate gloves, masks, safety glasses and protective clothing should be worn. If product comes in contact with skin it can be washed off with water before drying. If swallowed drink plenty of drinkable water and seek medical advice, do not induce vomiting. In case of contact with the eyes, rinse with clean water or eye wash solution and seek medical advice.

See safety data sheet for additional information.

If in doubt with any of the above please contact ACT Australia Technical Services.

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Classified as non-hazardous according to criteria of Worksafe Australia

Section 1: Identification of the substance/mixture and of the company

1:1 Product Identifier

Product Name:	PR-1 Impervious Substrate Primer
Other Names:	None
Product Code:	PR-1

1:2 Relevant identified uses of the product

Application:	Multi purpose primer for various substrates

1.3 Supplier details

Supplier:	Adhesive Construction Technology Pty Ltd (ABN: 65 167 149 233)
Address:	65 Dunn Rd Rocklea QLD 4106
Phone:	1300 794 321 | 07 3255 5601
Emergency Phone:	1300 794 321

The information contained in this safety data sheet is accurate on the date of issue and in accordance with the information available at that time. Persons dealing with products referred to in this safety data sheet do so at their own risk. ACT Australia accepts no liability whatsoever for damage or injury, however caused, arising from use of this information or of suggestions contained herein.

Section 2: Hazard Identification

2:1 Classification of product

Non-Hazardous product

Hazard Statements:

N/A

Precautionary Statements:

N/A

2.3 Other hazards

Other hazards: N/A

Section 3: Composition/Information on Ingredients

3:1 Mixtures

Proprietary blend of Styrene-butadiene copolymer, sodium hydroxide, styrene and ingredients determined not hazardous, including water.

Chemical Name	CAS-No.	%	Hazard Classification
Non Hazardous Ingredients	N/A	100%	N/A

Section 4: First Aid Measures

4:1 Description of first aid measures

Inhalation:	Move subject to fresh air. Monitor and consult a physician if concerned
Skin Contact:	Wash skin with plenty of soap and water. Remove contaminated clothing and launder before re-use
Eye Contact:	Flush eyes with large amount of water, holding eyelids apart. Consult a physician if irritation persists
Ingestion:	Flush mouth with copious amounts of water. Consult a physician

4:2 Symptoms caused by exposure

Inhalation:	Excessive exposure to vapours may cause irritation
Skin Contact:	Adverse effects are not expected from a single, brief contact with product However, prolonged or frequently repeated skin contact with this product may result in irritation
Eye Contact:	May be an irritant
Ingestion:	Adverse effects not expected

4:3 Medical Attention and Special Treatment

N/A

Section 5: Fire Fighting Measures

5:1 Suitable extinguishing media

This is a non-flammable material. Use suitable extinguishing media for the surrounding area.

5:2 Specific hazards

None Applicable

5:3 Special protective equipment and precautions for fire fighters

Chemical resistant clothing should be used along with respiratory protection.

Section 6: Accidental Release Measures

6:1 Personal precautions, protective equipment and emergency procedures

Wear appropriate clothing, gloves, eye protection and facemask. The use of barrier cream is recommended

Emergency Procedures: N/A

6:2 Environmental precautions

Do not allow product to enter waterways. Dispose in accordance with local regulations.

6:3 Methods and materials for contaminant and cleaning up

Ensure appropriate PPE is used when cleaning wet product. Dispose in accordance with local regulations.

Section 7: Handling and Storage

7:1 Precautions for safe handling
Use appropriate PPE
7:2 Conditions for safe storage, including any incompatibilities
Store in a cool dry location.
Incompatibilities: N/A

Section 8: Exposure Controls and Personal Protection

8:1 Control parameters
No exposure limits set for this product
8:2 Exposure controls
Provide adequate ventilation.
8:3 Personal protective equipment (PPE)
Wear protective gloves
Wear goggles/face shield
Wear protective clothing
The use of barrier cream is recommended
Remove all contaminated PPE carefully to avoid contact with skin or eyes. Wash contaminated clothing thoroughly before reuse. Wash skin with soap and water after work
Environmental exposure controls: Not available

Section 9: Physical and Chemical Properties

9:1 Physical and chemical properties

Appearance:	A high viscous blue liquid
Odour:	Minimal
Odour threshold:	N/A
Solubility in water	Miscible with water
Flash point:	Not available
Flammability limits:	Not Available
Stability:	Stable
Vapour pressure:	As for water
Specific gravity:	1.27kg /Litre
Boiling point:	Approx. 100°C (water)
Volatile component:	N/A
Auto ignition temp	N/A

Section 10: Stability & Reactivity

10:1 Reactivity
None known
10:2 Chemical stability
Product is stable under normal temperature conditions
10:3 Conditions to avoid
N/A
10:4 Incompatible materials and possible hazardous reactions

Incompatible materials:	N/A
Hazardous reactions:	N/A

10:5 Hazardous decomposition products N/A

Section 11: Toxicological Information

11:1 Information and symptoms related to exposure

Acute Toxicity:	No data available
Skin corrosion/irritation:	Prolonged or frequently repeated contact with skin may result in slight irritation.
Serious eye damage/irritation:	Prolonged or frequently repeated contact with eye may result in irritation.
Respiratory or Skin Sensitisation:	Excessive exposure to vapours may cause irritation to eyes, nose & throat
Germ Cell Mutagenicity:	No data available
Carcinogenicity:	No data available
Reproductive Toxicity:	No data available
Specific Target Organ Toxicity (STOT)	
Single Exposure:	Can cause coughing and irritation to airway of susceptible individuals
Repeated Exposure:	Repeated exposure over a long period of time may cause irritation to airway, skin and eyes
Aspiration Hazard:	No data available

11.2 Numerical measures of toxicity

No data available

11.3 Immediate, delayed or chronic health effects from exposure

Immediate:	May be an irritation of the skin, eyes & throat
Delayed:	Allergic skin reaction, irritation, coughing wheezing & possible injury to eyes
Chronic:	None expected

11.4 Exposure levels

Exposure levels:	N/A

11.5 Interactive effects

Inhalation:	Respiratory conditions such as asthma can increase risk of coughing and wheezing
Skin contact:	Sensitivity of the skin can lead to greater risk of allergic skin reactions

11.6 Data limitations

Data limitations:	N/A

Section 12: Ecological Information

12:1 Ecotoxicity

This product is not expected to be hazardous to the environment

12:2 Degradability

No data available

12:3 Bio-accumulative potential

No data available

12:4 Mobility in soil
No data available
12:5 Other adverse effects
None known

Section 13: Disposal Considerations

Section 13:1 Safe disposal of product and packaging
Dispose of all waste in accordance with local regulations

Section 14: Transport Information

14:1 UN number:	None allocated
14:2 Proper shipping name:	None allocated
14:3 Transport hazard class:	None allocated
14:4 Packaging group:	None allocated
14:5 Environmental hazards:	N/A
14:6 Special transport precautions:	N/A
14:7 Hazchem code:	N/A

Section 15: Regulatory Information

15:1 Safety, health and environmental regulations specific to the product
N/A
15:2 Poisons schedule number
N/A

Section 16: Regulatory Information

This SDS has been prepared 17th November 2016. This SDS will be reviewed every 5 years. The latest version of this SDS will be available for download from actaus.com This SDS may change from time to time as new information becomes available or in the case of a change in formulation. This SDS is has been prepared as a new document to bring into line with Globally Harmonized System requirements.

16:2 Abbreviations and acronyms used in this SDS
GHS = Globally Harmonized System
HC - = Hazard Category
CAS = Chemical Abstract Service
N/A = Not Applicable
TWA = Time Weighted Average
USECHH = Use and Standard of Exposure Chemical Hazardous to Health.
STOT = Specific Target Organ Toxicity
STOT SE = Specific Target Organ Toxicity – Single Exposure
STOT RE = Specific Target Organ Toxicity – Repeated Exposure
mg/m3 = milligram per cubic metre

This SDS has been prepared using information provided by the manufactures of the ingredients contained in this product. This product is a mixture of ingredients.

.... END OF SDS ....

This SDS has been developed in accordance to Worksafe Australia/NOHSC guidelines