

Rendex® PANEL

1. PRODUCT AND COMPANY IDENTIFICATION

Product Identifier: Rendex® Panels

Product Code(s): RND40; RND50; RND75; RND100; RNDF150; RNDF200

Product Use: Rendex® Panels are manufactured in several sizes and thicknesses and used for EIFS, façades and fencing systems.

Manufacturer: Prestige Wall Systems Pty Ltd

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2. HAZARDS IDENTIFICATION

Emergency Overview: Not classified as hazardous, according to the criteria of Safe Work Australia.

Not classified as dangerous goods, according to the ADG Code.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Rendex® Panels consist of a flame retardant modified EPS (Expanded Polystyrene) board, factory coated with a polymer modified cement render, reinforced with alkali resistant fibreglass mesh. Variants include single or double sided render. Ingredients:

EPS Components	CAS Number	%wt.
Pentane	109-66-0	<0.50
Brominated Hydrocarbon Flame Retardant	3194-55-6	<0.25
Polystyrene	9003-53-6	<24

Render Components	CAS Number	%wt.
Sand	14808-60-7	45-60
Cement	65997-15-1	5-15
Hydrated Lime	1305-62-0	0-15
Polymer	9036-19-5	5-15

Fibreglass Mesh	%wt.
	3-5

4. FIRST AID MEASURES

Description of symptoms and necessary first aid measures caused by exposure:

Inhalation	Dust from high-speed mechanical cutting and fumes from 'melting' of EPS may cause upper respiratory irritation. Remove to fresh air; if breathing difficulties continue, seek medical advice.
Skin Contact	Potential for skin irritation from cementitious products. Dust or particles on skin should be removed by washing with soap and water.
Eye Contact	Dust or particles may cause mechanical eye irritation; fumes may also cause irritation. Rinse eyes with clean water; if irritation persists, seek medical advice.
Ingestion	No ingestion hazards, as biologically inert.

Medical attention and special treatment: Treat symptomatically.

5. FIRE FIGHTING MEASURES

Despite the presence of a flame retardant modifier EPS products are combustible, and will soften and melt when overheated or ignited. When flame retardant modified EPS is exposed directly to a fire source the retardant decomposition products cause flame quenching, so the EPS will not continue to burn when the fire source is removed.

The polymer modified cementitious render is not combustible.

Suitable extinguishing equipment:	Use water fog, carbon dioxide, dry chemical or foam media.
Specific hazards arising from the product:	Molten EPS may drip, causing fire to spread. Incomplete combustion products cause dense, black smoke, which consists of carbon monoxide, carbon dioxide, styrene and trace amounts of other hydrocarbons.
Special protective equipment and precautions for fire fighters:	Use self-contained breathing apparatus and suitable protective clothing, if there is a risk of exposure to smoke or other products of combustion. Decontamination of used PPE is recommended.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures:	Nil
Environmental precautions:	Nil
Methods and materials for containment and cleaning up:	Wear appropriate PPE when cleaning up off-cuts and collect waste in a suitable container.

7. HANDLING AND STORAGE

Precautions for safe handling:	Rendex® Panels are not classified as dangerous goods or hazardous for storage, handling and transport. It is recommended that the product be secured with protectors to avoid damage and accidental loss during transport. Care should also be taken when manually handling the product in windy, or potentially windy conditions.
Conditions for safe storage and any incompatibilities:	Only store on-site quantities that will be installed within a few days, as prolonged exposure to direct sunlight may affect the integrity of the EPS Furthermore, store the Rendex® Panels away from ponding water and limit exposure to rain or high moisture conditions. Do not store Rendex® Panels near solvents, or where hot-work, naked flames and sparks will likely be produced.

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

Control parameters - exposure standards and biological monitoring:	Nil.
Personal protective equipment (PPE):	It is recommended that safety glasses, dust respirator and protective gloves be work when cutting or sanding.
Hygiene:	Always wash hands with soap and water before eating, drinking, smoking and using the toilet.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	1.2m wide panels; up to 3.0m in length; various thicknesses.
Bulk Density:	80-100 kg/m ³
% volatiles	0%
Softening temp:	~80°C (EPS)
Melting point:	220-250°C (EPS)
Flash point:	358°C (EPS)
Auto-ignition temp:	471°C (EPS)

10. STABILITY AND REACTIVITY

Reactivity:	Non-reactive.
Chemical stability:	Stable at ambient temperatures.
Conditions to avoid:	Avoid contact with organic solvents, some insecticides and prolonged exposure to sunlight.
Thermal decomposition:	No decomposition if used in ambient conditions.
Hazardous reactions:	Nil, when the product is stored and handled in accordance with this SDS.

11. TOXICOLOGICAL INFORMATION

No adverse health effects expected when the product is handled in accordance with this SDS.

12. ECOLOGICAL INFORMATION

Persistence and degradability:	All components of Rendex® Panels are not biodegradable and therefore correct containment, collection and disposal of waste is critical.
Other adverse effects:	As the Rendex® Panel is a lightweight product, wind dispersion is a risk which needs to be managed.

13. DISPOSAL CONSIDERATIONS

Safe handling of waste:	Wear appropriate PPE when cleaning up off-cuts and collect waste in a suitable container.
Disposal methods:	Dump waste or incinerate in accordance with local or State authority requirements.

14. TRANSPORTATION INFORMATION

Rendex® Panels are not classified as dangerous goods according to the criteria of the relevant road, rail, maritime and air transport regulations and codes.

15. REGULATORY INFORMATION

Rendex® Panels are non-hazardous and are not listed in the Poisons Schedule.

16. ANY OTHER RELEVANT INFORMATION

This SDS has been prepared in accordance with the Code of Practice on Preparation of Safety Data Sheets for Hazardous Chemicals, published on 22 April 2016, by Safe Work Australia.

Date amended: 7-Sep-16

Key abbreviations:

ADG Code	Australian Code for Transport of Dangerous Goods
CAS	Chemical Abstracts Service
EPS	Expanded Polystyrene
PWS	Prestige Wall Systems Pty Ltd
SDS	Safety Data Sheet

Disclaimer: The information contained herein relates only to the specified product/ materials and is provided as a general reference. PWS believes the data set-forth here in is accurate as at the date of the SDS and is given in good faith. PWS makes no guarantee or warranty and does not assume any liability with respect to the accuracy or completion of such information.