

Description

Gripset 11Y represents the latest in SBR latex technology. Specifically formulated for use in cement based compounds, Gripset 11Y will enhance adhesion, strength and waterproof properties of screeds, renders and general cementitious toppings.

Gripset 11Y is able to be used in areas exposed to weather, chemicals, continuous immersion, internal and underground areas. Gripset 11Y when used with Gripset DM can be used, and is certified to AS/NZ 4020 for use in potable water storage facilities. Suitable for remedial applications and new construction.



Features & Benefits

- Improved adhesion strength
- Reduced water/cement ratio
- Increased flexural strength and durability
- Improved water resistance and waterproof properties
- Improved crack, frost and salt resistance
- Reduction of permeability to gases and liquids
- Higher early strength development & reduced shrinkage
- Improved resistance to aggressive conditions
- Excellent resistance against freeze/thaw cycles and de-icing salts
- Improved workability at reduced water demand
- Improved abrasion resistance
- Solvent free, non toxic and environmentally safe

Application

Gripset 11Y is suitable for commercial, industrial, mining and residential applications.

Substrates

Substrates suitable for Gripset 11Y applications include:

- Masonry surfaces, renders, screeds.
- Concrete blocks and aerated concrete.
- Clay bricks and pavers.
- Dense concrete
- Cement sheeting, plaster board and general wet area linings.
- Marine plywood and wet area particle board.
- Asphalt and cured bitumen surfaces.
- Existing acrylic coatings and Gripset membranes.
- Before using over existing paints, membranes, coatings or other surface finishes contact technical department of Gripset Industries for correct advice on surface preparation and suitability.

Surface Preparation

Surfaces must be prepared thoroughly before commencing application. All substrates must be structurally sound, smooth, stable, dry, and clean.

Rough surfaces and voids to be evened or filled first and all brick/block surfaces to be pointed flush. (refer to Gripset 11Y for concrete/masonry repairs). All general surface defects to be repaired.

Building surfaces must be constructed to manufacturer's recommendations and relevant building standards in force at time of product application.

All surfaces are to be free of sharp protruding objects, loose material, de-bonded coatings, curing membranes/agents, release agents, wax residues, foreign particles, laitance, algae and moss, grime, oils, animal fats or grease remains.

Structurally unsound layers and surface contaminants are to be mechanically removed by abrasive blasting, blast tracking, grinding or equivalent methods.

Application – Primer/sealing slurry

- Measuring parts based on volume, mix 1 part of cement + 1 part of fine wash sand + 1 part of Gripset 11Y.
- Stir slowly to form a slurry consistency and allow 3-4 minutes to settle before lightly re-stirring.
- Brush, broom or squeegee apply to form a thickness of 0.5-1.0mm.
- Coverage of slurry primer is 1 litre of Gripset 11Y per 3m²

Note: Very porous surfaces to be dampened prior to application.

Application – waterproof thin build coatings & feather finishes

- For waterproof thin build coatings and feather finishes using Gripset DM powder, form a mixing liquid consisting Gripset 11Y and water at a 1:1 ratio. Add mixing liquid to the DM powder to form the desired consistency. If using a site mix alternative, mix 1 part of cement to 3 parts sand (fine wash grade) based on volume

Note: Prior to applying thin build coatings, 11Y slurry primer must first be used over surfaces. Apply coating onto a wet or damp primer as a “wet on wet” application.

Coverage per 20kg bag of Gripset DM	
2mm Skim Coat	6.5m ²
3mm Skim Coat	4.25m ²
4mm Skim Coat	3.25m ²
5mm Skim Coat	2.5m ²

High Bonding Water Resistant Screeds and Renders

- Measuring parts based on volume, mix 1 part of cement to 3 parts sand (fine wash grade). If using lime with the render/screed mix, ensure volume to be added is no greater than 20% of cement.
- Form a mixing liquid consisting of Gripset 11Y and water at a 1:3 ratio, and mix into the sand/cement compound to form the desired consistency for the application.

Note: prior to applying render/screeds, 11Y slurry primer specified above must first be used over surfaces. Apply render/screed onto a wet or damp primer as a “wet on wet” application.

Repair mortars

- For repair mortars using Gripset DM powder, form a mixing liquid consisting Gripset 11Y and water at a 1:1 ratio. Add mixing liquid to the DM powder to form the desired consistency. If using a site mortar mix alternative, mix 1 part of cement to 3 parts sand (fine wash grade) based on volume

Note: Prior to applying the repair mortar, 11Y slurry primer must first be used over surfaces. Apply mortar onto a wet or damp primer as a “wet on wet” application.

Improving water resistance and adhesion of cement based adhesives and grouts:

- Form a mixing liquid consisting of Gripset 11Y and water at a 1:3 ratio.
- Mix into the dry compound and stir slowly to form the desired consistency for the application.
- For immersed areas, a 1:2 ratio is recommended

Storage conditions

- Best stored at room temperature.
- Avoid cold freezing conditions and off concrete floors.
- Do not store in direct sunlight.
- Shelf life: 12 months in unopened container

Packaging

5 litre and 15 litre pails, 200litre drums and 1000litre IBC.

Precautions

- When using for bonding agent applications, ensure sand is a sharp wash grade. Fresh Portland cement should be always be used
- Do not use on glass or glazed surfaces.
- Do not apply over curing compounds, wax/oily surfaces, fibreglass, plastic or silicone treated surfaces.
- Not to be used as primer for areas with rising moisture or negative hydrostatic pressure
- Not to be applied over raw steel or metals unless otherwise specified
- Safety Data sheet (SDS) available.
- For further information about this product contact technical department of Gripset Industries.

Clean up

- In water while wet
- Once dried product needs to be removed mechanically or by solvent

TECHNICAL DATA

Appearance	White
Form	Thin Liquid
Specific gravity	1 kg/litre
pH	8-9
Bond Strength to concrete	1.3MPa
Flexural Strength	6.1MPa
Compressive Strength	11MPa
<i>Data based on mixing Gripset 11Y with Gripset DM (3 parts dry to 1 part liquid)</i>	
Potable Water Storage - AS/NZ 4020 - 2005	Certified
VOC Content (ISO 13741-1)	0.5g/litre
The VOC Content of Gripset 11Y is below the maximum VOC Content for Architectural and Interior Sealants as required by Green Star Ratings tools Education v1, Healthcare v1, Industrial v1, Multi Unit Residential v1, Office Interiors v1.1, Office Design v2, Office v3, Office As Built v2 and Retail Centre v1	

Notes

It is recommended before commencing the application; that adhesion of products to be used (e.g. primers, membranes, coatings adhesives etc) is tested over a typical area of the prepared surface to ensure satisfactory adhesion. It is the responsibility of the applicator to carry this out and accept the substrate suitability before any application starts. Gripset Industries offers a service for pre-testing adhesion to surfaces for large commercial areas or unusual substrates. For further details contact Gripset Industries.

Details contained in product data sheets are general. For any situation or items not covered in this data sheet, it is the responsibility of the applicator to check with Gripset Technical Services before commencing the application. A written confirmation will then be issued by Gripset Technical Services.

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Product Disclaimer

This Product Data Sheet (PDS) 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 PDS 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. Gripset Industries 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.