

Code	Description	Size
18995	Soudal SMX-30 Plus Vapour Barrier Kit	4Lt

1. Description

Soudal SMX-30 Plus Vapour Barrier Kit is a 2 component (epoxy) water based moisture sealant for use over old and new concrete to provide a vapour barrier prior to applying a flooring system.

2. Characteristics

- Cures in 4 Hours
- Non-Toxic & odourless
- Non-flammable and Non-toxic
- Easy to mix & apply
- Mixes to a bright Green.

3. Technical Data

Pot Life:	2 Hours
Density:	Mixed 1.10kg per litre
Touch Dry:*	4 hours @ 20°C, 8 hours @ 10°C
Mix Ratio:	1:1 by weight, or volume of Part A + Part B
Hydrostatic Resistance:	40psi or 275 kpa (approx. 30m head of water)
Colour:	Part A – Blue Part B - Yellow
Mixed Colour	Bright Green
Coverage:	4 litres will cover up to 24m ²
Storage:	In a cool dry location
VOC:	Part A – 5g/l Part B – 10g/l

*Ambient Temperature Dependant

4. Applications

- Waterproofing of concrete used in wet areas such as kitchen, toilet floors and balconies.

5. Packaging

Part A: 2 litres
Part B: 2 litres

6. Shelf Life

Shelf life of the product is 12 months from the date of manufacturing provided it is stored in unopened factory packed drums.

7. Building Product Information

Manufactured By Soudal Ltd
Distributed By Soudal Ltd

Relevant Building Code Clauses

- B2 Durability: Performance clause B2.3.1-(a) not less than 50 years
- F2 Hazardous Building Materials: Performance clause F2.3.1

Contribution to compliance With NZBC

Performance B2.3.1 (a) 50 years: This product has been evaluated in accordance with B2/VM1. It meets this durability requirement and will remain serviceable for 50 years, or more, when installed and maintained in accordance with the relevant Soudal technical literature. soudal.co.nz. This product has performed successfully since it was introduced in 2011.

Performance F2.3.1: This product meets this requirement when used and applied in accordance with Soudal's product installation instructions and does not present a health hazard to people occupying or using the building. Refer to the Soudal Product Technical Data sheet and product Safety Data Sheet soudal.co.nz for further information if required.

8. Application Instructions

Surface Preparation

Preparation: ensure surfaces are level dry free from dirt, grease, loose particles and any other impediments to bonding. New concrete must be at least 28 days old prior to application. Test slab, if in doubt, to ASTM D 4263.

Mixing: Open both containers.
Stir the PART:B, Yellow product in the container to achieve a consistent colour.
Add Part A and Part B in equal amounts and mix with a mixing paddle for 2 minutes. Ensure there are no Part A or Part B individual colours still visible. The colour once fully mixed should be a colour Teal Green/Green. Do not entrap air during the mixing process.
Scrape sides and mix for another 2 minutes.

Soudal recommends preliminary compatibility tests.

Application

Method: Use a brush or short nap synthetic paint roller to a wet film thickness of 50um for one coat application. Particularly porous surfaces, or non-uniform film thickness may affect coverage, a second coat is required in these circumstances. Ensure all pin holes are eliminated to prevent moisture accessing flooring layer.

Application temperature: Always apply on a clear, warm sunny day. For best results apply in the morning hours. Product will benefit from the sun's warmth and drying ability. Temperatures must be above 13°C and rising, but not above 43°C. Never apply if rain or inclement weather is forecasted within 36 hours. DO NOT ALLOW PRODUCT TO FREEZE.

Clean: Warm water and soap immediately after use.

Limitations

Do not apply to damp surfaces
Do not dilute

Do not apply at temperatures below 10°C or likely to fall below 10°C during curing
If significant hydrostatic pressure is present in the concrete this must be addressed prior to Soudal SMX-30 Plus Vapour Barrier Kit application.. Ensure all pin holes are eliminated to prevent moisture accessing flooring layer.

For more information please ring 0800 70 10 80.

9. Health and Safety Recommendation

- Apply the usual industrial hygiene
- KEEP FROM FREEZING. When transporting this product, ensure the lid is tight and pail secured. Do not allow pail to tumble as this may cause lid to loosen and leakage to occur. The manufacturer also disclaims liability for flat surface application where poor drainage or ponding of water may prevail. Do not reuse empty container; dispose of in an environmentally acceptable manner.
- Keep away from heat, sparks, and open flame.
- CONTAINS PETROLEUM ASPHALT
- Use with adequate ventilation
- Keep Out of Reach of Children
- CONTAINS NO VOC'S
- DO NOT THIN.

Remark

*The directives and data contained in this documentation is provided in good faith and accurately reflect Soudal's knowledge when its products are properly stored, handled and applied under normal conditions in accordance with Soudal's recommendations. In practice, the diversity of the materials, substrates, environments, site conditions, product storage, handling and application are such that no warranty can be given in respect to the merchantability or fit for purpose, of any product. All users must determine the product suitability for their purposes through testing. This technical data sheet and product properties may change without notice so users, suppliers and retailers of Soudal products should always check that the data sheets they have are the latest. To the maximum extent permitted by law, Soudal disclaims all warranties in relation to either the manufacture, storage and end use of the product. All orders are accepted subject to our current terms of trade. **If any clarification is required, please contact Soudal Technical Services or email info@soudal.co.nz.***

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