

SAFEGUARD**MANUFACTURERS & DISTRIBUTORS OF WATERPROOFING & DAMP PROOFING PRODUCTS.**

Chemicals S.A.

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SWS SAFECRETE

Cement-based waterproofing coating, used for sealing and protecting structures exposed to penetrating damp

1. Use

SWS SafeCrete is based on the successful SA Tanking (SWS Slurry) tested by Taywood Engineering in UK. It may be used as a waterproof protective covering to external and internal brickwork and incorporates a colour pigment. Tested to resist 3 bars of water pressure, it represents an ideal one-time application giving a waterproof, plaster finish. Suitable for RDP homes, perimeter walls and natural cement finishes on internal walls.

2. Advantages

- No need for surface to be dry, can be applied on to damp substrate.
- Excellent waterproof barrier.
- Excellent adhesion properties to sound substrate.
- Ease of application, simply mix and apply by brush.
- Non-toxic.
- Can be used to produce a smooth, floated or bag-wash finish.
- Saves time, labour and cost in a one-time, waterproof, coloured finish

3. Coverage

Each 25kg bag will cover 16m² in one coat.

The above figure will depend on site conditions and thickness of application.

4. Surface Preparation

All surfaces must be clean, properly cured and sound. All loose material must be removed mechanically, either by wire brush or sand/water blasting. The surface must be free from oil, paint, grease or any other product that might reduce the bonding process.

5. Mixing Instructions

SWS SafeCrete is a two component system, requiring the addition of pre-diluted **Bondaid Plus** (Liquid).

a. Mixing Bondaid Plus (liquid)

- Use a clean empty container and add 5 litres of undiluted **Bondaid Plus** into the container.
- Add 20 litres of clean water to the container.
- This will make 25 litres of pre-diluted **Bondaid Plus**.

b. Mixing SWS SafeCrete (Powder) and Pre-diluted Bondaid Plus (Liquid)

- Only mix sufficient product that can be used within 40 minutes.
- Pour pre-diluted **Bondaid Plus** (Liquid) into a clean mixing bucket. 8 litres of pre-diluted liquid is required per 25Kg bag of **SWS SafeCrete**.
- Slowly add **SWS SafeCrete** (Grey powder) to liquid while mixing (mechanical mixer is preferred).
- A lump-free consistency should be obtained.
- Let product stand for 5 minutes and re-temper if necessary.



5. Application

SWS SafeCrete can be applied with a trowel to produce a plaster-type finish or with a hard bristle brush to produce a bag-wash finish

Dampen the substrate thoroughly with clean water before applying **SWS SafeCrete**.

Ensure that the substrate is still damp, apply the first coat with a hard bristle brush or trowel to a thickness of 2mm – 3mm depending upon the type of finish required.

Once the first coat has dried sufficiently (2 to 6 hours) a second coat can be applied.

7. Limitations

The maximum thickness in one application should not exceed 3mm.

8. Curing

Protect from wind and direct sunlight for at least 12 hours and dampen from time to time to prevent rapid drying out and cracking.

9. Cleaning

Uncured **SWS SafeCrete** can be removed with water.

Cured material can only be removed mechanically.

10. Compressive

Strength: 28 days 53N/m

Tensile strength 28 days 4.5

Flexural strength 28 days 11

Adhesive strength 28 days 3.1

Initial cure 24 hours

Full cure 28 days

Cleaning Uncured – water

Cured – mechanical

Coverage 6m² in two coats

Packaging 25kg bags

11. Storage

Store in a cool, dry place.

12. Health and Safety

Material safety data sheet available on request.

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