



INSTALLATION GUIDE

SURFACE PRO® ASBESTOS ENCAPSULATION | 2025/26



1. Area of use:

Surface Pro® Asbestos Encapsulation dries to form a protective peelable film for the protection from damages such as grinder debris, small hot works, solvents, grits, scratches, paints, mortar, plaster, wind/weather, and pollution. It is best used on the following building parts:

- Shower Trays
- Tubs
- Tiled floors
- Wall & worktops
- Machinery, lab equipment & tools in factories
- Buildings with asbestos

2. System:

Surface Pro® Asbestos encapsulation involves coating or covering asbestos-containing materials (ACMs) to prevent the release of asbestos fibres into the air. This process is a practical alternative to asbestos removal, as it reduces the risk of exposure without the extensive disruption and cost associated with removal. Encapsulation is especially valuable in situations where complete removal is not feasible or necessary.



Surface Pro install.

3. Materials and tools commonly used:

- Stanley Knife, bag for waste.
- Masking tape.
- Vacuum cleaner (also for removing standing water).
- Empty buckets, water for cleaning of tools.
- Handheld paddle mixer.
- Products: Surface Pro®.
- Surface temperature meter, substrate must not be below 5°C.
- Personal safety equipment: Safety glasses, gloves, helmet, overalls, and masks.
- Airless spray device

4. Individual protection:

Consult the Materials Safety Data Sheet prior to application. Always work in well-ventilated areas. Avoid direct skin contact when product is in wet conditions. You are advised to wear eye protection, overalls, mouth mask, gloves, and safety wear during application.



Gloves.



Goggles.



Spray suit.



Face fit mask.

5. Inspection and preparation:

While Surface Pro® Asbestos Encapsulation is applied rapidly the successful sealing depends on thorough preparation of the substrate. The following preparation instructions need to be followed.

- Standing water, dust and free particles are removed with the vacuum cleaner.
- The ambient and substrate surface temperature must be above 5°C.
- Perform a trial on a little visible area with a paintbrush then remove after 3-7 days.



Clean all areas.



Surface Pro.

6. Application:

- Open the pail of Surface Pro® Asbestos Encapsulation and mix for a smooth consistency with a handheld paddle mixer at low speed, do not add water or solvents.
- Total minimum consumption should be 0.5kg/m² -500 microns on windows, up to 1 kg/m² consumption or 1000 microns to allow for foot traffic on surfaces like shower trays.
- Depending upon conditions and applied thickness, drying time is minimum 1 hour. Protect applied product from wetness and frost during drying
- Avoid (local) layer thickness of over 1500 microns for example in joints/openings in the surface which have not been prepared properly.
- Thickness is verified with a wet film thickness gauge, to ensure minimum total coverage of 00 microns.
- For the cleaning of tools after application, use AW-1 cleaner which is an alkaline cleaning agent, and rinse thoroughly with water afterwards
- After application remove Surface Pro® Asbestos Encapsulation within 4-6 months and make sure substrate is not exposed to regular sunlight.



Spray directly on to surface using an airless spray machine.



Graco ST Max II 495 airless spray machine.

7. Quality Control:

- If required, check visually to ensure complete coverage; If needed, apply an additional coat.
- If required, thickness is verified with a wet film thickness gauge for each layer, to ensure minimum total coverage of 500-1000 microns depending upon where you are applying it.
- If required, this is how you use the wet film thickness gauge;
- Identify level and smooth patches of substrate
- Select the appropriate side of the thickness gauge for thickness around 500-1000 microns depending upon where you are applying it.



- Press the appropriate side of the gauge into the wet film immediately after application.
- Remove gauge and inspect the underside of the comb fingers. The last wetted finger indicates the wet film thickness value printed by this finger.
- Repeat the measurements to make a reasonable number of spot checks. As a rule of thumb one measurement should be taken for each 5m² of coating.
- Clean gauge with water

8.Dont's:

- Do not apply Surface Pro® Asbestos Encapsulation to items that receive sunlight.
- Do not dilute Surface Pro®Asbestos Encapsulation with water or solvents and avoid contact with any type of liquid during drying.
- Do not leave the lid off the container for long periods, please re-seal immediately after use.
- Do not use a heat source at close range to aid drying.

9.Storage:

- Store all containers in a dry frost free environment between 5°C and 35°C, avoid direct sunlight or contact with a heat source.
- Seal part used containers by pushing down firmly in the center of the lid when closing to expel air, ensure lid is closed tightly.
- Do not use product from damaged or broken containers.
- Shelf life: product will keep for 24 months from date of manufacture if kept according to these instructions in unopened containers. See batch number for date of production: ddmmyyxx (dd:day/mm:month/y:year/xx:productcode).

10. Disposal:

Please refer to product SDS information. Please recycle all used tubs.

Precautions:

Consult the Materials Safety Data Sheet and the material compatibility sheet prior to application. Always work in well-ventilated areas. Avoid direct skin contact when product is in wet condition. You are advised to wear eye protection, face mask, gloves, and safety wear during application.

Further advice:

This advice is based on the experience of the Intelligent Membranes® for further information, please contact our head office. Product sheets, safety data sheets and independent test reports are available on request.

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