

Product description

nC ProTherm - Condensation-X is based on a covalently binding mineral and ceramic technology and is designed to prevent condensation. Because the ceramic particle structure provides a dense, slightly flexible layer, ProTherm - Condensation-X is suitable for vibrating or slightly bending surfaces. It is usually applied in a 1 or 2 mm WFT layer. It has a service life of 15 to 25 years.

Advantages

- Prevents condensation, stops drop formation
- Water absorption 410 - 640 gr/m
- Capacity DIN EN 1062-3: 0.9 kg
- Effective in layers of 1 to 2 mm WFT
- Lightweight: 450 - 900gr / m²
- Fast drying: 4 - 8 hours
- Does not contain solvents or metals
- Low consumption of 450gr per m² per mm WFT
- All colors depending on order size
- Lifetime: 15 to 25 years

Suitable for

- All surfaces, all materials
- For indoor surface
- Surfaces with temperatures between -20° C to 80° C (short time against 85° C)

Characteristics

Granular liquid		Density:	0.45g/cm ³ /20°C (DIN 53217)
Color:	White or RAL ordered	pH value:	8
Odor:	acrylic	Shore hardness A 50	
Solvents:	Water only		

Logistics

Store for a maximum of 24 months in tightly closed packaging between 5°C and 25°C
Available in sets of 4 kg, 16 kg, 40 kg, 175 kg
No dangerous goods
Product suitable for air transport



Preparing work

- Remove dirt, grease, dust, loose corrosion, mill scale and/or paint.
- Pretreat corroded surface with nC Corrosion Passivator - Zinc Primer C5.
- Mix coating at low speed for 5 minutes prior to application.
- DO NOT apply if humidity exceeds 90%.
- Although free of solvents, ensure adequate ventilation, especially during spraying.
- Ambient temperature between 6° C and 35° C during application.
- Wear safety glasses. Protect hands and skin from exposure with gloves and appropriate clothing.



application

- Before application, stir the coating for 5 minutes on low speed with an industrial mixer.
- Apply DIRECT after stirring.
- ProTherm - Condensation-X can be applied preferably with an airless funnel sprayer. Rollers can be used but will give an irregular finish. Use a brush for small areas not practical for spray application.
- It is best to spray at the lowest pressure. The pressure control should be set at a low-pressure setting and slowly increased until the mixture applied looks like dry rice coming out from the gun. If the spray pattern has fingers or tails, then the pressure should be increased.
- If the maximum pressure of the sprayer is not enough to achieve a good spray pattern, a spray tip with a smaller orifice should be used. To test the quality of the spray pattern, test patterns should be sprayed on scraps of cardboard or other waste material.
- Hold spray gun appr. 30 cm from surface, aim straight (both horizontally and vertically) at the surface. Extremely large tips will require you to move further away to achieve a good spray pattern.
- The spray gun should move across the surface with the wrist fixed to keep the gun pointed straight at the surface. "Fanning" the gun to direct the spray at an angle will cause an uneven finish.
- The spray gun should be triggered after beginning the stroke (also called the lead stroke) and released before ending the stroke (also called the lag stroke). The gun should move during both the trigger squeeze and trigger release. This technique prevents blotches of thick coating at the beginning and end of each stroke.
- Cross layer-application is recommended, wet-in-wet. This ensures that an even amount of coating is sprayed on the surface. Overlap each stroke by 25%. To maximize efficiency on broad surfaces (ceilings and bare walls), outside edges should be sprayed first. The middle can then be sprayed quickly, requiring less precise strokes.
- Key to proper coverage is controlling the coat thickness. Hints to ensure proper coverage and a quality finish:
 - Do not adjust the pressure to make the coat thicker or thinner. The pressure should be adjusted to the lowest pressure with a good spray pattern.
 - If the coating is too thick or running down the surface, one or more of the following will help: Move the spray gun faster, choose a smaller tip orifice size; choose a tip with a wider fan, make sure the spray gun is far enough away from the surface (about 30 cm)
 - If the finish is not covering the surface, one or more of the following will help: Move the spray gun slower, choose a larger tip, choose a tip with a narrower fan width
- One-coat WFT can be varied from between 0,5 mm to 2 mm.
- In warm, high-humidity areas, one-coat WFT must not exceed 8mm.
- It is always good to apply a grip layer first, of 0,5 mm thickness.
- Use 450 gram of ProTherm - Condensation-X per m² for a one mm coat.
- Measure WFT during application.
- Forced drying is only allowed after 2 hours settling time.
- Let surface rest for 12 hours before painting over.
- Clean and rinse equipment during any stop or pause.
- Wash hands during any stop or pause. ProTherm - Condensation-X gets sticky on the skin!
- Unopened packaging can be stored for 24 months below 25°C.