Rev 02 (20/03/24)

Application Guide Humidur® FP Brush

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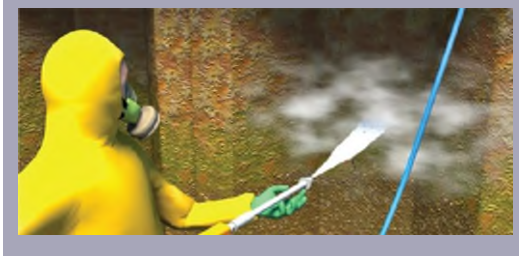
HUMIDUR.
Let's face corrosion.

1. Surface preparation

Step 1. Remove fouling, dirt and salts by power wash.

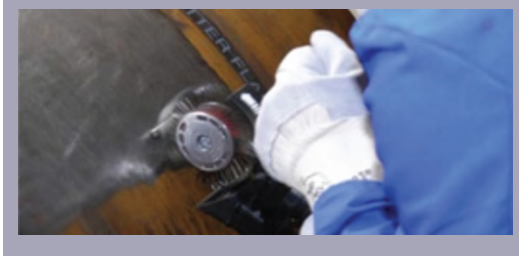


Step 2. Degrease the surface.

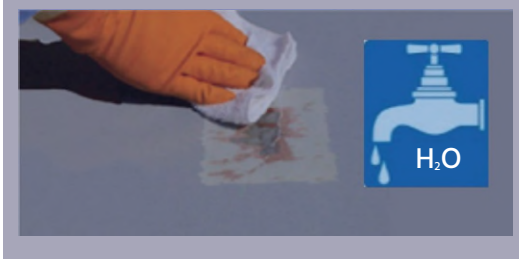
Step 3.

Option 1. Grit blast the surface by abrasive blasting to Sa 2½ (ISO 8501-1) & roughness 60 ± 10 µm.

Option 2. Minimal preparation with power tools to roughen the surface to St 2 or St 3 (ISO 8501-1).



Step 4. Remove dust and clean with fresh water.



Step 5. Clean with cleaning agent.

Step 6. Check the surface preparation.

- Check for *salts* (Bresle) – ISO 8502-6, ISO 8502-9 (< 60 mg/m^2)

- Check the *roughness* – ISO 8503-2 (optimal surface prep: 60 ± 10 µm; minimal prep: original profile)

- Check for *dust* – ISO 8502-3 (Q ≤ 3, C ≤ 3)

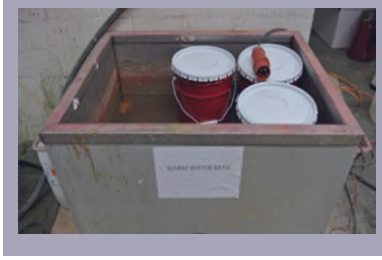
2. Coating application

Step 7. Delivered in pre-dosed pails (A and B).

Check the labelling: - Mixing ratio by weight: 3,7 : 1

- Mixing ratio by volume: 3,475 : 1

Step 8. Temperature non-mixed in warm water bath
Humidur FP Brush: 20 – 25 °C

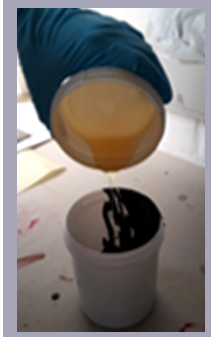


20 – 25 °C

Step 9. Transport the pails in an insulated box to the area to be coated. This way the pail will not cool down.

20 – 25 °C

Step 10. Agitate component A only prior to mixing. Empty Component B into A and mix for 3 minutes.



3 min

Step 11. Temperature after mixing Humidur FP Brush: 25 °C.

25 °C

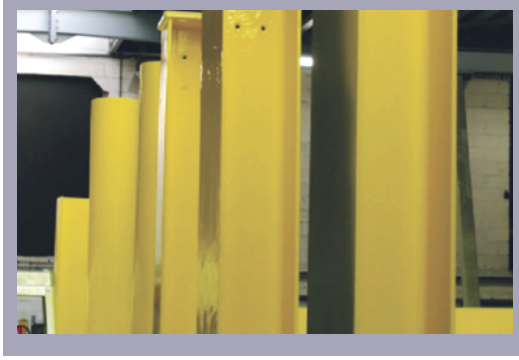
Step 12. Temperature surface > Dew point + 3 °C. No condensation allowed!

Step 13. Apply the product by brush.

Step 14. Check the wet layer thickness during application.
Consult your Acotec representative for the required thickness.

WFT = DFT

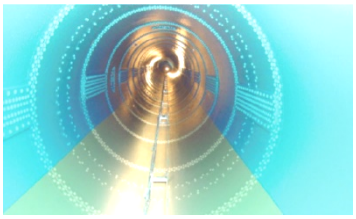
Step 15. Allow curing: at 20 °C: 24 hours
Capable of curing under water.



Please consult the SDS and TDS for the required information regarding the potential hazards of Humidur FP Brush and for the HSE requirements to safely apply it.

3. Final results

Submerged marine infrastructure

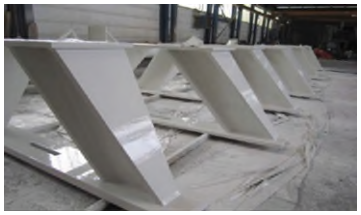


Interior hydropower pipeline

Hydrokinetic turbine

Interior crude oil storage tank

Offshore crane structure



Steel supporting parts in subway stations