

# Application Guide HUMIDUR<sup>®</sup> BY ACOTEC



Humidur<sup>®</sup> ME by BRUSH, SINGLE or PLURAL SPRAY

## Health & Safety



## Surface Preparation

**Step 1:** Remove fouling, dirt and salts by powerwash



**Step 2:** Degrease the surface with acetone or other suitable solvent



**Step 3 - option 1:** Gritblast the surface by abrasive blasting to Sa2,5 (ISO 8501) and roughness  $\pm 60\mu\text{m}$



**Step 3 - option 2:** Minimal prep. with powertools to roughen the surface to St 2 or St 3 (ISO 8501)



**Step 4:** Remove dust and clean with fresh water



**Step 5:** Clean with cleaning agent: acetone or other suitable solvent



## Step 6: Check surface preparation

Check for salts (Bresle)  
ISO 8502-6



Check the roughness  
ISO 8503-2



Check for dust  
ISO 8502-3



Acotec nv

LET'S FACE CORROSION

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Date: 22/04/2015

Pg. 1/3

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## Coating Application

**Step 7:** Delivered in pre-dosed pails (A and B)  
Check the labelling: mixing ratio weight: 4,4:1



18°C - 25°C

**Step 8:** Temperature non-mixed in warm water bath  
Humidur ME: 18°C - 25°C

**Step 9:** Empty component B into A and mix for 3 minutes  
Plural spray: this step can be skipped



3 min.



30°C - 35°C

**Step 10:** Temp. after mixing ME: 30°C - 35°C

**Step 11:** Temp. surface > dew point + 3°C  
No condensation is allowed!



**Step 12:** Apply the product by: - Brush  
- Single airless min. 60:1  
- Plural airless min. 60:1

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Pg. 2/3



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## Coating Application

**Step 13:** Check the wet layer thickness during application  
Consult your Acotec representative for required thickness



**WFT = DFT**

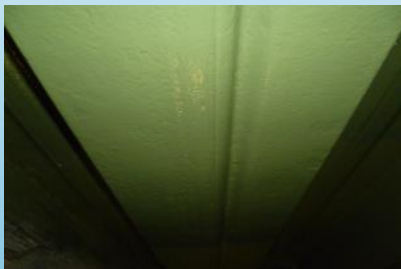


Allow curing  
**Step 14:** At 20 °C: 48 hours  
Capable of curing under water



Ballast tank of an ocean carrier

## Final Result:



Submerged marine infrastructure



Quay walls



Interior hydropower pipeline



Inside pontoon



Steel supporting parts in subway stations



Offshore crane structure

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Pg. 3/3