KEMICA COATINGS
Reinventing coatings

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Offshore

LIVING QUARTERS

TECHNICAL PROBLEMS

Surfacing solutions for living quarters must address several different issues:
- Anti-corrosion protection for the floor and metal walls
- It must provide a full seal (pb. for joints or welds)
- It must provide a certain level of acoustic comfort
- It must meet the requirements for cleaning, hygiene and general resistance of coatings
- It must meet the fire resistance requirements for oil platforms.

TRADITIONAL SOLUTION

• floors: resin mortar: long-term resistance problems (poor adhesion, loosening caused by deformation of the substrate for mechanical reasons or thermal expansion).
• walls: glued-on wall coverings or paint.
• specific cases: showers, toilets, kitchens: tiling doesn't provide an effective seal and offers poor resistance on an unstable substrate.

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SOUPLETHANE TECHNIQUE

SOUPLETHANE is applied directly to the substrate to be treated, whether on the walls or the ceiling.

• floors:

- Coating thickness: 1.5 mm (approximately). This provides corrosion resistance, an effective seal, it can be applied to edges and upstands, and it guarantees an effective seal in corners.

The advantages: it is an anti-static coating, easy to clean, it follows any deformation in the substrate without suffering any damage, it attenuates the vibration frequency of sheet metal and provides good acoustic comfort.

• walls and ceilings:

Coating thickness: 1 mm. Provides excellent corrosion protection while meeting all the requirements for cleanliness (cleaning with detergent solutions, etc.).

• wet rooms: showers and toilets

Coating thickness: 1mm (approximately)

The advantages: Can be fully cleaned with ease, it meets all hygiene conditions; it is resistant to chemicals (cleaning products, etc.); it provides an effective water seal: it can be made non-slip

• for kitchens, restaurant dining rooms, service areas, etc.

.. In addition to being easy to clean, hygienic (it is food-safe), corrosion-resistant and air- and waterproof, SOUPLETHANE also provides a non-slip surface (for greasy kitchen floors, for example) and is resistant to thermal shocks (steam, hot oil or boiling water in contact with the surface coating, etc.).

The advantage of this technique:

You can save a significant amount of weight in comparison to traditional solutions.

SPECIFICATION

- Sand the steel: SA 2,5
- Apply the SOUPLETHANE in a 1.5 mm to 1 mm layer for normal areas, and 2 mm for kitchens and restaurant dining rooms.

It can be applied manually with a roller, or using a twin-component airless pump

QUALITY CONTROL

. Check the thickness with a micro test.
. Check the visual appearance of the coating: good polymerisation, no blisters. Check that the film has adhered correctly to the substrate.

TESTS AND CERTIFICATIONS

• Resistance to salt mist: SNCF laboratory - Levallois – 2 000 h in salt mist
• Pressure resistance

WORK REFERENCES

CNEXO - 600 kg/cm²