

# **HVAC Refurbishment**



## PROBLEM

Air handling units are continually exposed to pollution, corrosion and contamination. In time this exposure will result in:

- The installation becoming a source of microbiological contamination
- Early deterioration
- Increase of power consumption
- ✓ Decrease of performance

Besides standard maintenance a thorough refurbishment is required periodically to ensure optimal performance and to prevent early replacement.



## WHY USE HVAC REFURBISHMENT?

- To prevent early deterioration & capacity loss
- To reduce power consumption
  - To ensure hygienic operation
  - Improve indoor air quality
- SOLUTION

Blygold offers a complete refurbishment program that brings AHU equipment back to optimum performance, hygienic levels and greater life expectancy. Blygold refurbishment procedures help maintain a trouble free environment for their customers.

BLYGOLD REFURBISHMENT CONSISTS OF:

- ✓ Chemical cleaning
- Corrosion protection of all metal surfaces
- Chemical resistant cast floor application
- Hygiene surface treatments
- Coil treatments
- Isolation repair
  - Filter frame replacements





## BLYGOLD SURFACE TREATMENTS

Blygold renovation procedures for air handling units have proven themselves not only in lab conditions but also in the field for the last 30 years. The new solvent free coating system makes it possible to coat indoor without the nuisance of VOC odors. Self-levelling cast floors provide a sealed, smooth and strong floor in AHU's.

#### **STANDARD**

**Coating** Refamac 9977 Refamac 3509 Refamac 3800

### **Description** Chemical resistant cast floor Rust penetrating primer Dirt and contamination repellent, finishing

**Dry layer thickness** 450 μm 70 μm 100 μm ( 2 x 50)

#### SOLVENT FREE

CoatingDescriptionRefamac 9977Chemical restistant cast floorRefamac WB07Water based primerRefamac WB31Dirt and contamination<br/>repellent, finishing

#### Dry layer thickness

450 μm 35 μm 140 μm ( 2 x 70)

#### Health complaints in 61 office buildings

<b>Health complaints</b> Eyes Nose/Throat Neurological Fever	<b>Average (%)</b> 19,5 23,3 20,3 8,8	Highest(%) 39,5 45,1 51,3 33,3
<i>Climate complaints</i> <i>Temperature</i>	54.6	89,3
Air quality	45,7	82,3
Lighting	30,0	53,3
Dry air	43,5	80,2
SOURCE: Dutch ministry of VROM		



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