

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	Description	Dry layer thickness
Refamac 9977	Chemical resistant cast floor	450 µm
Refamac 3509	Rust penetrating primer	70 µm
Refamac 3800	Dirt and contamination repellent, finishing	100 µm (2 x 50)

SOLVENT FREE

Coating	Description	Dry layer thickness
Refamac 9977	Chemical resistant cast floor	450 µm
Refamac WB07	Water based primer	35 µm
Refamac WB31	Dirt and contamination repellent, finishing	140 µm (2 x 70)



Health complaints in 61 office buildings

Health complaints	Average (%)	Highest(%)
Eyes	19,5	39,5
Nose/Throat	23,3	45,1
Neurological	20,3	51,3
Fever	8,8	33,3
Climate complaints		
Temperature	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