



**A perfect gas leakage solution  
for centralised air conditioners**



**NABL Certified**



**For Copper Tubes &  
Aluminium Fins**

**Oxycoats Dual Barrier** is specially designed room temperature based nano coating for corrosion resistance against gas leakages. Can be applied on both copper tubes and aluminium fins.



**Typical Applications :**

- » Recommended for high sulphur environment and coastal areas.
- » All kinds of centralized AC units-ductables, cassettes, VRV/VRF, AHU, Air cooled chillers.
- » Both aluminium fins and copper tubes can be coated using spray gun.

**Benefits & Advantages :**

- » Thin film direct to metal application
- » Provides excellent anti-corrosion performance in any harsh environment
- » Excellent adhesion and film hardness
- » Dissipates heat and excellent flexibility
- » Excellent heat and weather resistance
- » High abrasion resistance
- » Good resistance against chemicals, acids and alkaline cleaners
- » Easy to be applied by spray gun assisted with air compressor.

**Technical Information :**

- » Appearance: Blue color
- » Pot life: 3-4 hrs
- » Recommended Dry film thickness: 10-25 micron
- » Drying time: Touch Dry: 1-2 hrs | Hard Dry: 12 hrs
- » Coverage: 80-120 sq.ft/ltr



**Test Results**

Test Methods and Conditions	Samples ID	Test Results
Impact Resistance (*ASTM D2794) Temperature: 23 ± 2 °C Relative Humidity: 50 ± 5% Indenter Dia.= 15.6 mm Weight = 1593.6g	IM-01	Impact Energy = 4.65 J No stress marks or cracking
Pencil Hardness (ASTM D 3363) Temperature: 25±2°C Relative Humidity: 50±5%	PH-01	5H
Cross Hatch Adhesion (ASTM D3359) Temperature: 23 ± 2 °C Relative Humidity: 50 ± 5%	A-01	Rating 5B
Salt Fog Test (*ASTM B117-18) Test Electrolyte: 5 wt.% NaCl solution at 32 ± 5°C Test Duration: 3000hours DFT: 50-60 µm Substrate- Copper	C-1 C-2 C-3	No any sign of Blistering, Rusting, Discoloration and Delamination
Taber Abrasion Test (*ASTM D4060) Temperature: 23 ± 2 °C Relative Humidity: 50 ± 5% 1000 cycles, CS-17 Wheel, 1Kg load	TA-01	Average Weight loss = 0.065 g

**Application Guideline :**

**Surface Preparation :**

- » Remove dirt, grease, oil and other contaminants.
- » Use sand paper for new machines.

**Mixing :**

- » Stir the component A and component B parts separately before mix them together
- » Mix hardener into the base container- not the reverse, under continuous stirring (Mixing ratio 3:2 (Part A:PartB)).
- » Continue the mixing for 3-5 minutes.
- » Mix thoroughly till the components become homogenous.
- » Can be applied with spray gun assisted with air compressor.

**Precautions :**

- » Avoid rain during application till the surface is dried.
- » Use proper protective equipment while handling.
- » Avoid direct contact with skin and eyes. In case of contact wash thoroughly with plenty of water and Consult physician if necessary

