

DryCoat **Anti-Condensation**

Functional Coating to protection against condensation & mould

A one component, water based pure acrylic microporous anti-condensation coating for application by roller or airless spray.

Intended uses

For treating walls, ceiling, or other construction elements to avoid mould contamination and condensation by absorbing water and evaporating. For interior sheltered surfaces only.

Evaporation from the coating occurs faster than with ordinary coatings due to the micro-porous structure which breaks the water surface tension and increases the evaporative area.

It will protect the coated surfaces from mould contamination and growth. For example, one square meter of DryCoat at a thickness of approx. 1mm represents 12,000 times increase in relative surface, i.e. about the size of two rugby fields. That is why water evaporates faster and the painted surface stays dry.

It can be used in hotel bathrooms and shower cubicles where humidity requires to be controlled and where condensation and dripping need to be minimised.

It is suitable for new and previously painted surfaces, such as living facilities, car ports, cellars, parking garages, breweries, food industries, warehouses, and animal husbandry operations.

Recommended for use on steel roofing sheets, steel structures and other metal surfaces where condensation and dripping water problem occurs.

Properties

- High coverage
- Easy application by roller or airless spray
- Highly adherent
- Water based
- Evaporation occurs rapidly from the coating due to its micro-pore structure

Technical Data

Composition	Water Based Pure Acrylic
Colour & Appearance	White or Pastel Shades – MATT finish
Pack Size	5, 20 Lt
Density kg / Lt	1.40
Mass Solids	58%
Volume Solids	42%
Diluent	Water – up to 5%
Recommended Wet Film Thickness per coat	300-480um
Recommended Dry Film Thickness per coat	125-200
Total Dry Film Thickness	250-400um
Number of coats	Minimum 2
Spreading Rate	1m ² / Lt @ 400um DFT

Storage	Store out of direct sunlight in dry conditions between 15°C and 25°C
Shelf Life	12 months when stored as recommended in original un-opened containers
Clean Up	Water
Drying time @ 25°C	60 minutes – TOUCH DRY 6 hours – Overcoating 12 hours – Through dry
Optimal Application Temperature	Surface - Minimum 15°C – Maximum 35°C Ambient – Minimum 12°C – Maximum 30°C Relative Humidity Minimum 10% - Maximum 85%

Surface Preparation

In general, the following guidelines for preparation should be adhered to, always consult for a detailed specification.

- The areas to be coated should be dry, firm, solid and free from dust, oil, fats, and other contaminants.
- The surface to be coated should remain at least 3°C above the dew pint and well ventilated.

Substrate	Primer	Instruction
Metals – Galvanized Iron, Mild Steel, Aluminium & Stainless Steel.	SpecNox Anti-Corrosive Primer	Clean galvanized iron with galvanized iron cleaner Clean mild steel / rusty surfaces with Hydrosolve degreaser
Concrete or cementitious surfaces	DampPrime Damp Masonry Primer	Apply 1 coat and allow to cure for 16 hours @ 25°C

Mixing:

Mix well prior to use with a flat-bottomed paddle or electrical mixer.

Application:

Designed for airless spray application or when not possible brush or roller
At spray application paint can be thinned up to 5% with drinking water prior to use.
17 to 31 thou nozzle size for airless spray is recommended. Keep drum covered during application to avoid skinning.
Pressure should be adjusted to ensure fine atomization.

If rolling a thick nap roller is preferred.

Caution:

Do not overcoat with other finish coats or condensation properties will be lost.
Always consult with technical department if unsure
Refer to product MSDS for health & safety prior to using products
Always wear safety clothing / protection. Respirators, eye protection and skin protection.

Systems:

Consult with Specialized Coating System for application specific recommendations.