

TYPES OF PAINTS

Paint can be classified in many ways such as by generic types of binder or by function (Primer/Top/Coat/Protective/Decorative) and more. We shall classify paint according to its drying and curing mechanism.

All paint types consist of molecules whose natural attraction and repulsion determine the physical and chemical characteristics of the materials.

Chemical reactions mean that molecules shall be changed in some way. By changing the molecules, we also change the material. In general, gases consist of small molecules; liquids consist of small-medium molecules while solids consist of very large molecules.

Solid materials which consist of large molecules can be liquidized when mixed with materials consisting of smaller molecules: for example, by dissolving resin [polymer in solvents]. On the other hand, liquids can be made solid by chemical reaction through increasing the size of the molecules by binding small molecules together with chemical binder.

During drying/Curing of paint film, physical and chemical reactions take place whereby small molecules (solvents/water) evaporate from the film. The remaining binder consists of either very large molecules or of small molecules which are bound together by chemical reaction in the film.

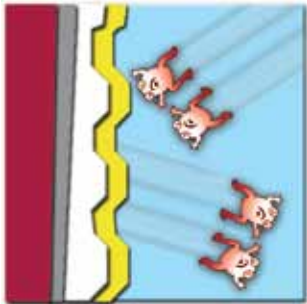
Based on the drying / curing mechanism, we are able to classify, paint in three main groups:

- A- Drying by oxidation
- B- Physical Drying
- C- Chemical curing

THE ULTIMATE PROTECTION

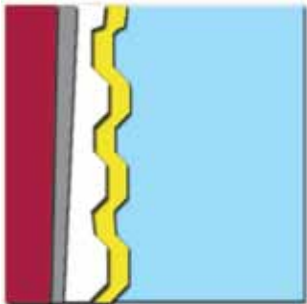


- Excellent colour retention
- U.V light resistance
- The colour will not fade



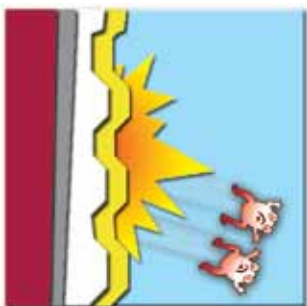
Moisture & Salt retention

- Our binders and the use of five coats create a closely-knit mass of molecular walls that are impermeable to water and moisture.



Superb adhesion property

- The Eagle sealer gives the coating system excellent adhesion property with no risk to flake. The sealer covers small cracks as well as damaged and uneven surfaces.



Excellent carbonation shielding

- Concrete rein for cement corrosion is a constant nightmare facing the construction industry. Our five-coat system and high density film provide a tough and hard resistance to carbon dioxide to prevent concrete corrosion from occurring.



100% Fungus-free

- The glossy top coat is formulated with synthetic binders which are totally devoid of nourishment for any fungus or mould growth.

-  Substrate / Plaster Waller wall
-  Primers
-  Putty
-  Top coat