

## Product Description

Amphibolin is a premium quality 100% pure acrylic water based coating for interior and exterior use. It is multipurpose with excellent resistance to weathering and wash ability and exhibits excellent adhesion to almost all substrates.

## Recommended Use

Suitable for exterior use on:

Cement plastered walls  
Renders/plasters  
Cement boards and ceilings  
Concrete  
Rendered fair faced brick masonry  
Blocks  
Fibrous cement sheets  
Sound existing paint coatings

## Physical Properties

|                 |                                                      |
|-----------------|------------------------------------------------------|
| Volume solids   | 42±2%                                                |
| Colour          | Standards as per Caparol 3D System Plus colour card* |
| VOC             | 0,37 g/ltr                                           |
| Thinner/Cleaner | Potable clean water                                  |
| Finish          | Low – Sheen & Gloss                                  |
| Packing size    | 1, 3.75 & 18 ltr                                     |
| Shelf life      | 24 months                                            |

\*Product can be tinted at Caparol tinting express system, virtually any colour can be matched and made available instantly.

## Advantages

Weatherproof and highly washable  
Excellent adhesion and low odour  
High adhesive strength to a multitude of substrates  
High degree of protection against aggressive air pollutants  
Excellent wet adhesion properties making it suitable to apply directly to aged alkyds with minimal surface preparation  
Paint with high degree of protection against UV rays  
Available with anti-fungal properties  
Alkali resistant

## Test Values

High rain protection to Class W3 “low liquid water permeability” as per EN 1062-1  
Wet abrasion to Class 1 to < 5µm at 200 strokes according to EN 13300  
Diffusible to V2 “medium water vapour permeable” as per EN 1062-1  
CO2 protection to Sd > 50m as per EN 1062-6  
Highly adherent to the substrate according to EN 1504 -2

## Surface Preparation

Ensure substrate is sound, clean, dry, free of oil, grease, dust, loose particles, laitance and powder paint etc. All loose material must be removed by stiff bristle brushing. Any damaged areas or surface irregularities should be repaired before application. It is most important that substrates are correctly prepared prior to application of paint.

## Mixing Paint

Amphibolin is a single component water based product, should be mixed properly before application. Can be diluted with potable clean water only.

**Theoretical Spread Rate**

Dry film thickness 40 - 50 µm  
 Theoretical coverage\* 08 - 11 m<sup>2</sup>/ltr

\*Spreading rates are indicative, due allowance and wastage factor should be considered in practical application.

**Drying Time**

Touch dry 1 hour  
 Dry to over coat\* 4 hours

\* Drying time generally related to air circulation, temperature, film thickness, no of coats and relative humidity. The given data must be considered as guidelines only. The actual drying time before recoating may be shorter or longer, depending on film thickness, ventilation, humidity, underlying paint system, requirement for early handling and mechanical strength etc. The figures given are typical with: Good ventilation (outdoor exposure or free circulation of air), typical film thickness and relative humidity 70%.

**Application Conditions**

Substrate temperature should be min.10°C and at least 3°C above the dew point of the air. At application below 10°C drying temperature will be significantly extended and spraying characteristics may be impaired. Paint to be applied to suitable primed surface.

**Application Equipment's/Tools**

Spray: Airless spray\*  
 Brush: Recommended  
 Roller: Recommended

**Guiding data airless spray**

Pressure at nozzle 150 - 180 bars  
 Nozzle tip 0.018" - 0.026"  
 Spray angle 50° - 80°

\*The airless spray details given above are intended as a guide only, fluid hose-length, diameter, paint temperature and project complexity all influence the choice of tip and operating pressure.

**Typical Paint System**

Amphibolin can be applied on exterior surfaces as follows:

**Exterior surface standard typical paint system\***

|                  | Coats |
|------------------|-------|
| CapaAcryl Primer | 1     |
| Amphibolin       | 2     |

\*Above mentioned paint system is for general guide line only, can be changed as per specification requirements.

**Storage and Handling**

24 months when stored in warehouse conditions below 35°C in the original, unopened packs. The product must be kept in in cool, dry well ventilated space and away from source of heat and ignition. Containers must be kept tightly closed and always handle with care. Keep out of reach of children.

**Health and Safety**

Always ensure good ventilation during application and drying. Do not breath vapors or spray when applying paint indoor by spray, wear proper air supplied breathing equipment's. Respiratory equipment's must be suitable for the purpose and meet an appropriates standards. When applying paint, it is advisable to wear suitable eye protection, in case contact with eyes, rinse immediately with plenty of water and seek medical advice. Remove splashes from skin, use soap and water or recognized skin cleaner. Do not use or store by hanging on a hook. Do not empty contents into wadis, drains or watercourses.

**Amphibolin - W**

Also available as Amphibolin - W, an organic growth inhibiting, fungus/algae resistant emulsion paint.