

# [ TECHNICAL BULLETIN ]

ASTEC SEALERS, PRIMERS AND UNDERCOATS

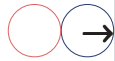
REMOVE THE THREAT OF UNDER FILM MOULD CONTAMINATION

*Barrier*



## PRODUCT TYPE

Industrial anti-mould solution.



## DESCRIPTION

**Barrier** is an industrial water based anti-mould solution specifically formulated for the maintenance painting and roof restoration industries.

In the roofing and sidewall restoration industry there is one common reason for the premature breakdown of paint systems. This can be traced to the presence of fungal and mould contamination which has grown on or through the paint system. This sort of growth is most common in climates with high levels of humidity and has detrimental effects to the protective system causing the general adhesion and aesthetic quality of the substrate to fail. The cause of this degradation is due to inadequate anti-mould treatment of the surface prior to top-coat application.

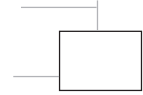
General misconception in the industry on the abilities of anti-fungal paint has led to a decline in proper surface preparation and treatment of mould effected surfaces prior to painting. Anti-fungal paints are commonly used as the method of resisting mould spoilage problems. Applied to mould infested surfaces it will kill off the growth that it comes into complete contact with, however, during the drying out and shrinking of the paint, adhesion problems can be experienced. The dormant and noncontacted spores within the substrate remain unaffected by the paint and will continue to grow.



1.1 Application of Astec Barrier



## Barrier



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ASTEC PROTECTIVE SEALERS, PRIMERS AND UNDERCOATS

#### DESCRIPTION



To treat mould growth properly, all growth must be removed and the surface then treated with an anti-mould solution prior to painting. It should be remembered that mould spores can be microscopic and not visible to the human eye, therefore the entire area to be painted must be treated not just the visibly affected areas. Adopting this policy will ensure effective protection against under film mould spoilage.

Barrier is an extremely effective low toxicity bacterial, algal and fungal wash that will kill all of the known algae and fungal species that cause paint film spoilage.

Barrier has the ability to retard under film mould growth in turn adding years of service life to the coating system, at a low cost, giving both clients and contractors alike the confidence they need in the long term success of their projects.

#### DESIGNED USE

Barrier can be used as an under film mould retardant, fungal and algicidal wash. In climates where surface mould, algae and fungus are a problem Barrier can be applied to most substrates to kill the growth. Barrier will maintain effective long term protection from regrowths dependant upon the volume of water that the surface is exposed to and the suitability of the environment for mould regrowth.

#### PREPARATION

The surface should be cleaned using high pressure water, scraping or compressed air. Preparation is only required where a top-coating is to be applied and is not necessary where Barrier is to be used as an anti-fungal wash.



1.2 High pressure water cleaning



## Barrier

### PRODUCT DATA



■	Coverage Rate	6m <sup>2</sup> per litre
■	Drying Time	Same as water
■	Recommended Thinners	Do not thin
■	Specific Gravity	0.98
■	Packaging	1ltr, 4ltr, 10ltr, 20ltr plastic containers

### APPLICATION

After the removal of any established growth, the entire area to be painted should have Barrier applied with a brush, low pressure spray or swabbing. During application take special attention to ensure the penetration of hard to access areas such as shoulders and indent angles, as well as the total penetration of porous surfaces.

When applying Barrier, the surface does not need to be saturated, only evenly wet to to a consistent colour change in the substrate.

Barrier should be applied and allowed to completely dry just prior to coating application.

If Barrier is exposed to wet weather prior to coating application the entire surface should have Barrier reapplied to ensure total effective under-film protection.

### PRECAUTION FOR USE / SAFETY

Always use a respirator during spray application, rubber gloves, protective clothing and eye wear.



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