

Park Home Case Study Number Six

The Effects of Ultra Violet (UV) Radiation on the Exterior Coatings used in Park Home Construction

How any paint system weathers over time will largely depend on the combination of sunlight, temperature, and the intensity and direction of the elements i.e. rain, snow and fog etc. to which it is exposed.

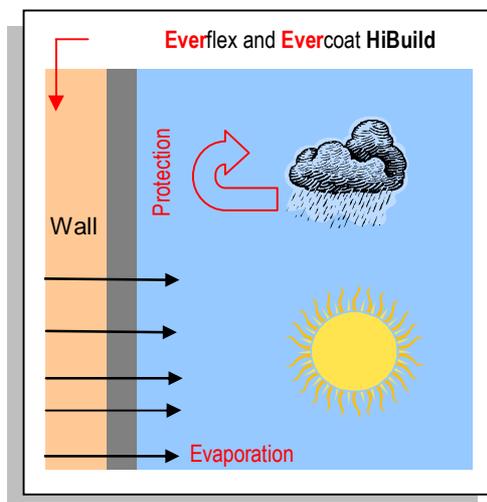
Whilst the British climate may not be thought of in the same context as the Southern Mediterranean in terms of hot summers and mild winters the effect from Ultra Violet (UV) Radiation are just as real.

Traditional coatings used as the exterior finishing for the majority of Park Homes by the Park Home industry may not always be UV stable and therefore will not retain their colour over long periods of time.

Part of **Everlac's** research programme in the development a superior HiBuild finish identified that the use of an Acrylic base would significantly improve the long term resistance of an exterior coating from UV degradation.

The known benefits of the resins chosen for this project are not new, however one of the key factors learned from the research programme demonstrated that the level of Acrylic resin used is critical to the long term durability and UV resistance of the finished coating.

There is no requirement for any manufacturer to identify the levels of Acrylic resin used within any given formulation however **Everflex HiBuild**, and **Smooth** and **Evercoat HiBuild** and **HiBuild Flexible** are manufactured utilising a formulation based on a one hundred percent Acrylic base and can therefore ensure that the maximum benefit is derived from the resin in delaying the effects from UV degradation thus ensuring the maintenance of the original finish colour over a much longer period.



The effect of a 7 year trial on the resin used in the manufacture of Everflex
Demonstrating very little change in colour of the finished coating

Evercoat HiBuild and **HiBuild Flexible** and **Everflex HiBuild** and **Smooth** now form the important final stage in the **Everlac** System process

For further data on and **Evercoat HiBuild** and **HiBuild Flexible** and **Everflex HiBuild** and **Smooth** and their application procedures please refer to the Technical Data Section.