

## Park Home Case Study Number Seven

### Park Home Refurbishment

Is there such a thing as the perfect climate? Truth to tell, we will all hold different views on what such a climate should be like. In reality of course, climatic conditions are changing all the time, and any materials exposed to the elements over years or even decades must be able to tolerate considerable diversity in the weathers condition.

Even in the more temperate climate of Europe significant extremes in weather conditions prevail. For example the British winter can produce temperatures as low as  $-20^{\circ}\text{C}$  and in the mid summer months as high as the upper thirties in degrees centigrade.

Ambient temperatures are by no means the only issue of consideration, the effects from wind, rain, sea spray, hail, snow, mist, fog and sunlight will all conspire to shorten the lifespan of any protective coating. Furthermore it must not be forgotten that wherever a Park Home is sited there will always be a prevailing wind side which inevitably will be under greater attack from the elements than the remainder of the home.

Whilst developing **Everflex Smooth**, **Everlac** laid particular emphasis on the importance of ensuring the long term durability of the coating which, in its opinion, should involve the minimum of maintenance.

Investigation into the types of coatings traditionally applied to Park Homes identified them, in many instances, to be very open and porous in nature thereby increasing the opportunity for moisture uptake, dirt pickup and a positive breeding ground for mould infestation.

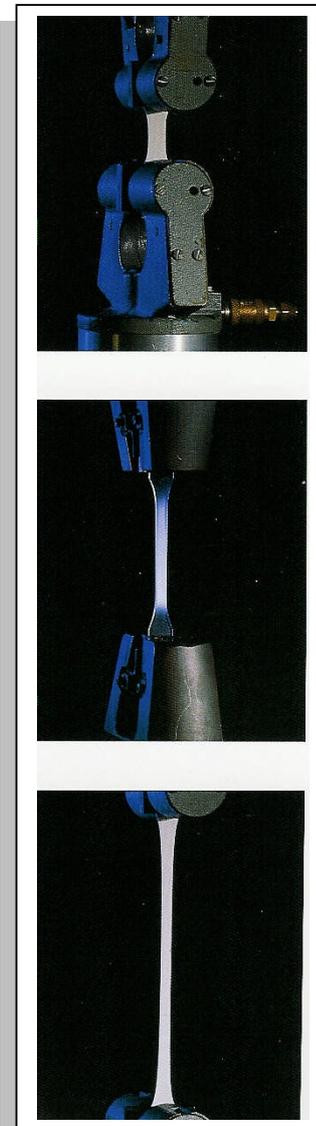
The development of **Everflex Smooth** marks a new era in surface coating finishes for application to Park Home exterior walls. Naturally its development encompasses the aesthetic requirements that any discerning Park Home owner has come to expect in terms of range of colours, however **Everflex Smooth** offers much more.

The unique cross-linking chemistry inherent with the **Everflex** formulation allows for the surface to harden under exposure to Ultra Violet (UV) light. Whilst this leaves a desirably smooth surface the main body of the coating continues to remain flexible below the surface. This process allows the coating to expand and contract in accordance with the dimensional changes imposed by the background to which it is applied in relation to changes within the elements and ensures that any developing cracks or fissures are bridged.

The resin cross-linking abilities within **Everflex** affords another very important attribute in terms of resistance to dirt pick up and mould infestation.

Put simply the coating is able to 'breathe' allowing moisture from within to escape as vapour but at the same time resisting the ingress of moisture through the surface of the coating which may carry with it dirt or mould spores.

The need to regularly re-coat a traditional wall coating to maintain its appearance is both costly and inconvenient. **Everflex Smooth** however will only require washing down to remove any surface dirt ensuring that longer term maintenance becomes a much easier proposition for either the Site Management or the individual Park Home Owner.

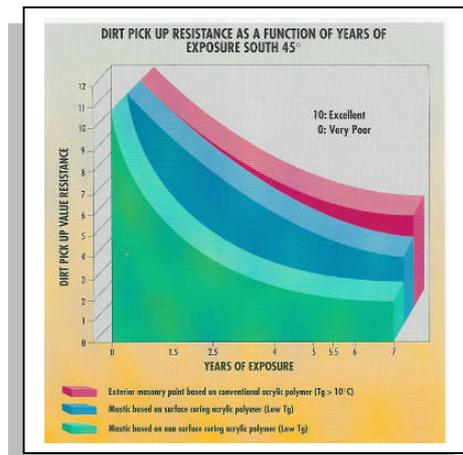


The properties of **Everflex Smooth** can significantly enhance Homes already coated with the more traditional coating.

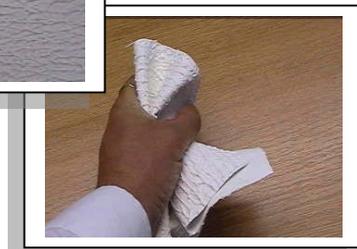
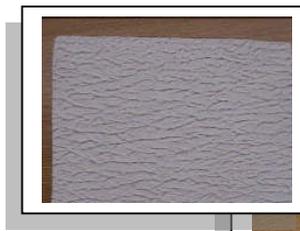
Thixotropic chemistry ensures that **Everflex Smooth** may be applied to existing, properly prepared, substrates by brush roller or spray application.

As with all coatings and as outlined below preparation is vital:

1. Clean the coating surface by lightly scrubbing with a mild detergent and water mix or by pressure-wash. Followed by at least one application of **Eversan**. Allow the surface to dry.
2. Apply one or two coats of **Everflex Smooth** to the entire surface of the unit. As **Everflex Smooth** is water based it should only be applied when dry weather is expected to last for at least 4 hours.
3. If rust or bitumen staining is evident apply two coats of **Everbind** binder barrier coat, a single pack Moisture Cure Polyurethane, before **Everflex Smooth** making sure that the second coat is applied whilst the first coat is still tacky. (Failure to ensure this will mean that the second coat of binder barrier will not adhere to the first coat and flaking will result) The binder barrier must be applied to a minimum of 250mm surrounding the original stain area. Move on to step (2).
4. If flaking or lifting is apparent then this has to be removed back to substrate and treated with **Everbind** as described in (3) above. To patch repair the surface texture apply **Evercoat** or **Everflex HiBuild** by either plasterers float, a wide soft bristle brush or by roller. The material should be applied evenly over a controlled area at approx. 1.0 – 1.5 metre square per litre. A number of surface textures can be achieved using different rollers and patterns; this is known as back rolling technique. Once completely dry move on to step (2)



↑ **Everflex Smooth** will expand and contract in accordance with the dimensional changes imposed upon it



**Everflex Smooth** may be applied by brush or roller over any existing, suitably prepared Park Home wall finish



For further data on **Everflex Smooth** and other products please refer to the Technical Data Sheets.