



 A BRIARWOOD COMPANY



Efflorescence

Learn more about our Efflorescence

Visit briarwoodproducts.co.uk/efflorescence

01934 641 446

sales@briarwoodproducts.co.uk

WHAT IS EFFLORESCENCE?

Efflorescence or “lime bloom” is a general term used in the construction industry, to describe the white chalk like deposits that can be found on good quality cementitious products. It is a superficial change in the appearance of the products and will not affect the strength or durability.

WHY DOES EFFLORESCENCE OCCUR?

Efflorescence occurs as a result of the reaction between cement and water. A product of this reaction is a calcium hydroxide “lime”, which is slightly soluble in water.

Under certain conditions it can migrate to the surface where it in turn reacts with carbon dioxide in the atmosphere to produce calcium carbonate crystals, most commonly taking the form of white “stand up” chalk –like deposits or streak marks.

Although the appearance of efflorescence is unpredictable, weather conditions are a significant factor. Efflorescence forms more readily when the product becomes wet and dries slowly and therefore there are more occurrences during damp periods.

It is also generally only likely to occur in the early life of applicable products and materials installed for a year or more without experiencing lime bloom, are unlikely to be affected in the future. Or if EUROSIX if left unprotected outside for a long period prior to fitting.

DURATION OF EFFLORESCENCE

The duration of efflorescence on such cementitious product is dependant upon the quality and type of the deposit and as well as the weather and atmospheric conditions. Water or moisture which is initially responsible for its appearance is also largely responsible for its disappearance as rainwater is slightly acidic, it dissolves the deposits on the product surface.

The action of wind, rain and frost gradually removes the deposits, leaving the intended colour of the chosen product without further efflorescence occurring. Efflorescence will normally be expected to disappear within 12 months, but this is not always the case.

IN SHORT TERMS...

In summary, efflorescence is merely a superficial characteristic feature of good quality cement based product, which is gradually removed by the process of natural weathering. The strength and durability of the product is unaffected.

You may notice efflorescence on many cement based building materials, such as concrete walling, concrete flooring, building blocks, bricks and fibre cement slates to name a few materials.

MEADOWSCAPE

Our Meadowscape sheets designed to make your structures roof look old fashioned and dated keeping its inconsistent pattern consistent.



Reach out for our Meadowscape datasheet

MEADOWSCAPE

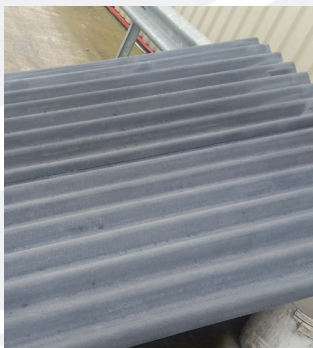
The starting process to make our Meadowscape sheets begins at the early stages when making our Natural Grey standard sheets. Whilst making our standard sheets, we manufacture them with a special pigment which is added into the mix allowing the subtle colouring to spread across the whole cement product.

EXAMPLES

EFFLORESCENCE



AFTER WEATHERING





01934 641 446



briarwoodproducts.co.uk



sales@briarwoodproducts.co.uk