



Efflorescence on concrete roofing tiles

Concrete roof tiles made by all the leading manufacturers consist of sand, gravel cement and water. The cement is produced by burning together, among other things, alumina and lime. Being natural raw materials, the composition of these substances vary, depending on their origin.

Efflorescence is a naturally occurring phenomenon caused by water in the form of rain, condensation or dew penetrating into the pores of the concrete and dissolving lime. The solution diffuses to the surface of the product; the water then evaporates and leaves behind a white film of lime.

Since the lime content of the concrete can vary and the weather conditions obviously differ, the level of efflorescence can also fluctuate considerably.

The same chemical process which brings the lime to the surface of a tile continues, enabling it to be degraded and washed away by the rain, so that eventually the efflorescence disappears by itself.

As one of the country's leading manufacturers of roof tiles our company has considerable experience in concrete products. However, it is impossible to predict how long this process will take, but we have every confidence that the discolouration will have gone in a matter of months. In addition, once the lime has disappeared from the surface of the tiles, this phenomenon does not usually recur.

We also point out that these tiles are covered under the usual terms of our Guarantee.

For more information please contact Sandtoft Technical Support on 0870 145 2021.

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