# Tiling — De-bonding on Anhydrite Screeds

## What does it look like?

The adhesive will come away from the substrate and often a layer of laitance will still be adhered to the adhesive. In extreme cases the adhesive will become very crumbly.

## What is the cause?

Failure in removing the weak layer of laitance that forms on the surface of the screed.

and/or

Insufficient priming between the cement-based product and the calcium sulphate based screed. When cement and calcium sulphate come into contact with each other a mineral called ettringite forms. This mineral is particularly weak and can cause a failure to occur at the interface between the screed and adhesive. In extreme cases the mineral can grow within the adhesive matrix and cause it to become weak and crumbly.

## What is the remedy?

All tiles should be removed. If the laitance on the screed has not been removed, this should be sanded away. The screed should be thoroughly primed with **weber PR360** and allowed to dry. Once dry a second coat should be applied at 90° to the first and allowed to dry. The tiles should now be fixed using **weber.set rapid SPF** or similar suitable **Weber** adhesive.