

## **TECHNICAL INFORMATION SHEET**

### **The use of Sodium / Calcium Chloride is not permitted in render or cement-based products**

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During the late autumn and winter periods, Parex has become aware that applicators are using flaked or liquid forms of sodium chloride as an accelerator in render (this may also be known as calcium chloride). Adding sodium chloride raises the pH of the product which speeds up the curing but affects the renders performance. The addition of unregulated products is not permitted to be used in Parex products and any failure of the product due to adding in sodium chloride flakes will null and void any product warranty Parex may offer.

For reference, calcium chloride was used as an accelerating admixture in concrete up until the mid-1970's but the British Standard codes were amended in May 1977 effectively outlawing the use of calcium chloride as an accelerating admixture because it caused corrosion of metal components, reinforcement or any embedded metal and in worse case scenarios could also affect the concrete itself too.

Subsequent codes of practice and specifications have reiterated this and restrict chloride ion contents.

In render the same situation could also occur, though embedded metal is less common, however the sodium chloride can cause the render to dry out too quickly, stopping the curing process and affecting the weather and general performance of the render which could lead to a dry, dusty and flaky finish which following a period of weathering may begin to break down the render causing surface pitting and holes forming in the render. This could mean the render would need to be fully removed.

If render which has been contaminated with added sodium chloride is in contact with steel or aluminium, it could also lead to pitting of the surface of the metal too.

Parex offers specifically formulated accelerators designed for their render systems which are detailed on the product data sheets and these are the only products that can be used.

For additional information, project specific specifications or other Technical Information Sheets, please visit our web site link [http://www.parex.co.uk/Render\\_Systems/Technical\\_Information\\_Sheets\\_and\\_FAQs](http://www.parex.co.uk/Render_Systems/Technical_Information_Sheets_and_FAQs)

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