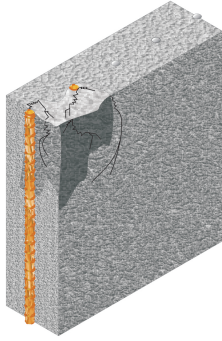
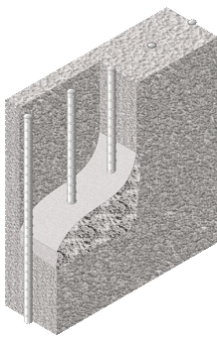


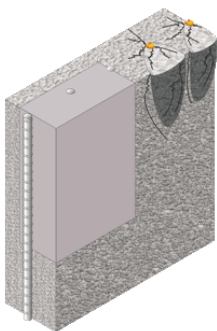
Case 07 How to refurbish decaying concrete façades**Corroded rebar affects concrete cover**

Over a period of time, carbonation will affect concrete cover to reinforcing steel and lead to its corrosion. Unattended this will in time make the structure unsafe and eventually uninhabitable.

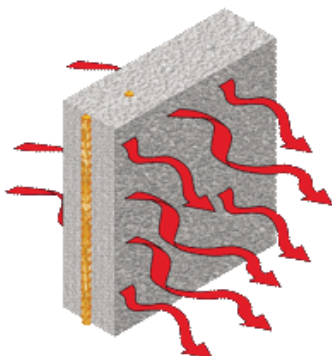
This effect is especially associated with construction where there is insufficient concrete cover to reinforcing steel.

Inadequate patch repairs

Simple cutting out and repair of decayed areas can leave uneven surfaces, and even after fairing coats are used, buildings retain their original, often dated, appearance.

Need to prevent further corrosion

Even when repaired, the process of deterioration will continue in other areas if no action is taken to protect the structure from the elements.

Low thermal insulation

Old structures that have degraded over time often have low levels of thermal insulation when compared to modern standards and are more likely to suffer from related condensation and damp problems.

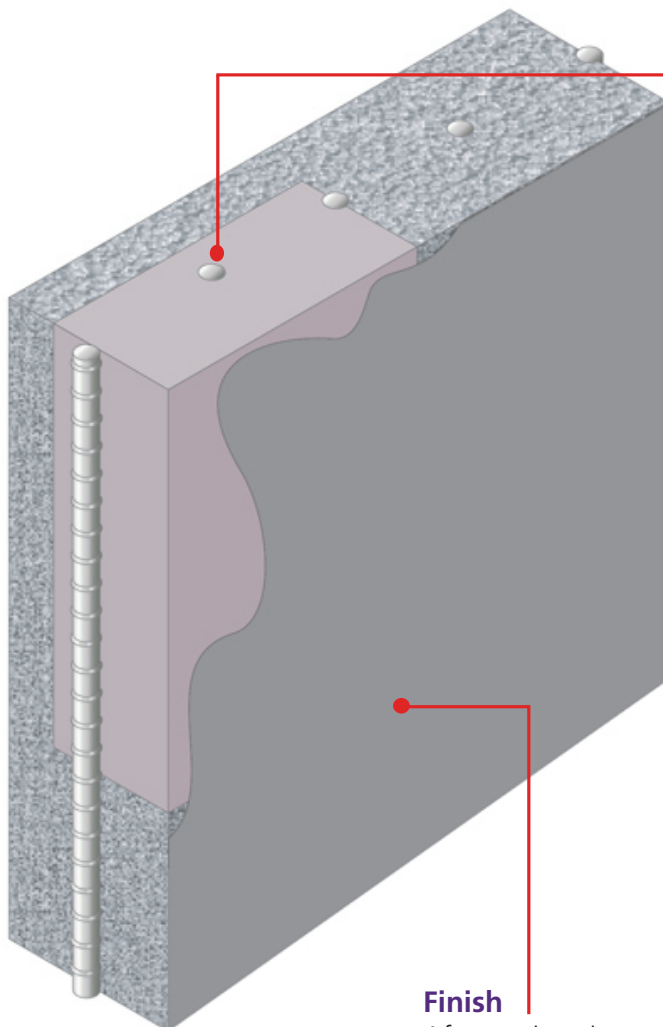
Solution 07 *Repair damages and finish with anti-carbonation paint*

Recommended products



Assessment

Assess and cut out areas of damaged reinforced concrete. Assess structural strength and stability.



Repair

Clean steel and repair with Conrep.370 PF, Conrep.331 TX or Conrep.332 FR or Conrep.360 FFR concrete repair system from Sodamco-Weber.

Each situation will need to be addressed on an individual basis.

In the first instance contact Sodamco-Weber technical staff for advice.

Finish

After curing time of the conrep products, apply the weber.cote beton anti-carbonation paint in two layers in order to protect the substrate from any bad weather conditions, and give the façade a homogeneous fair-face concrete color.