



SIKA SOLUTIONS FOR REPAIR & STRENGTHENING

BUILDING TRUST

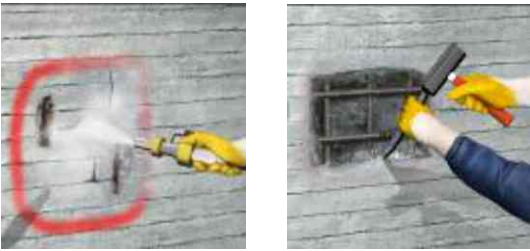


SIKA SOLUTIONS FOR CONCRETE REPAIR

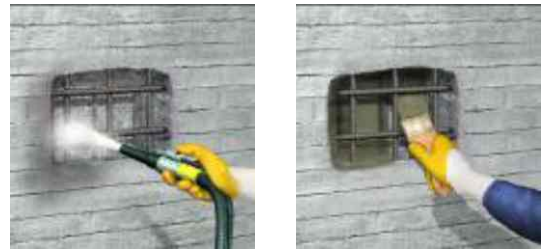
Concrete is the most commonly used building material around the world and it is often exposed to very harsh environments. Improving existing constructions to extend their life span has become a worldwide challenge and need. Sika dedicates itself to the rehabilitation of buildings and helps to make them more sustainable. To that effect Sika provides long lasting, cost effective and sustainable solutions in repair, durable concrete protection and strengthening.

Guidelines for Concrete Repair

Step 1: Removal of Damage Concrete



Step 2: Rust removal of bars using **Sika® Rustoff 100**



Step 3: Application of Corrosion Protection layer **Sika® Rustop / SikaTop®-Armatec-108 / SikaTop®-Armatec-110 EpoCem®**



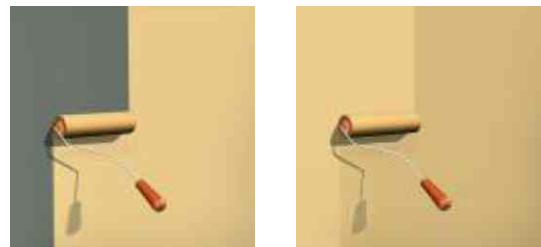
Step 4: Application of Bonding Agent **Sikadur® 32 LP / Sika®-Hibond / SikaTop®-Armatec-110 EpoCem®**



Step 5: Application of Repair Mortar **Sika MonoTop® 122 F / SikaTop®-122 HS / SikaRep® Microcrete- 3 UW / SikaRep® Microcrete- 4 / Sikadur®-41**



Step 6: Application of Concrete protection Solution **Sikagard® XT / Sikagard® 550 W Elastic / Sikagard® PU UR**



Final Photos



SIKA SOLUTIONS FOR STRENGTHENING

Over a period of time concrete structures require retrofitting & strengthening. The probable requirements are due to Corrosion of reinforcement; Increase in loads; Modification of Codes; Modification of Structures Seismic Retrofitting and Excessive cracking of concrete. Sika® CarboDur® and SikaWrap® Composites are high strength materials bonded with structural epoxy resins and adhesive for strengthening purposes. They are available both as factory pul-truded plates (Sika® CarboDur®) and Fabric (SikaWrap®).

Types of Strengthening with Sika® CarboDur® and SikaWrap®



Flexural Strengthening



Shear Strengthening



Columns Strengthening (Confinement)



Sika® Wrap®



Sika® CarboDur®

Final Photos



Sika Solutions for Every Construction



Concrete



Waterproofing



Refurbishment



Flooring



Sealing & Bonding



Roofing

SIKA - THE CUSTOMISED SOLUTION PROVIDER

Sika's innovative ideas and expertise in evolving quality products has been a hallmark in the history of construction chemicals. For over hundred years Sika is consistently serving the construction industry with its pioneering technology and commitment.