

BUILDING TRUST



## CONCRETE REPAIR MORTARS

Sika MonoTop® Range



Sika concrete repair mortars are suitable for restoration work, repair of spalling and damaged concrete in all types of structures including buildings, bridges, infrastructure and super-structures.

# Pure cement-based, cementitious, polymer-modified and epoxy-based repair mortar materials available

Repair mortars are specifically designed for restoring or replacing the original profile and function of the damaged concrete. They help to repair concrete defects, improve appearance, restore structural integrity, increase durability and extend the structure's longevity.

## Advantages:

- Easy to mix and apply
- High mechanical properties
- Can be sprayed or manually applied
- Pre-bagged for quality, just add water
- Can be overcoated with Sika leveling mortars
- Sustainable Solutions

Product	Type	Advantages	Uses
Sika Monotop® 1010 <b>MORE PERFORMANCE MORE SUSTAINABLE</b>	Bonding primer and reinforcement corrosion protection cement based slurry containing recycled waste materials	<ul style="list-style-type: none"> <li>• Uses recycled waste materials</li> <li>• Easy to use, just add water</li> <li>• Good adhesion to concrete and steel</li> <li>• Good resistance to water and chloride penetration</li> <li>• Can be applied with a brush or by wet spray technique</li> </ul>	<ul style="list-style-type: none"> <li>• Bonding primer as part of a concrete repair system</li> <li>• Reinforcement corrosion protection as part of a concrete repair system</li> <li>• Interior and exterior use</li> </ul>
Sika Monotop® 412 NFC	R4 Repair mortar with corrosion inhibitor	<ul style="list-style-type: none"> <li>• Polymer modified for increased durability</li> <li>• Superior workability and finishing</li> <li>• Suitable for hand and machine application</li> <li>• Can be applied up to 50 mm thick per application layer</li> <li>• Class R4 of EN 1504-3</li> <li>• Structural repair</li> <li>• Sulphate resistant</li> <li>• Very low shrinkage behaviour</li> <li>• Does not require a bonding primer even when manually applied</li> <li>• Contains corrosion inhibitor</li> <li>• Low permeability</li> <li>• A1 fire rating</li> </ul>	<ul style="list-style-type: none"> <li>• Suitable for restoration work (Principle 3, method 3.1 &amp; 3.3 of EN 1504-9). Repair of spalling and damaged concrete in buildings, bridges, infrastructure and superstructure works.</li> <li>• Suitable for structural strengthening (principle 4, method 4.4 of EN 1504-9). Increasing the bearing capacity of the concrete structure by adding mortar.</li> <li>• Suitable for preserving or restoring passivity (principle 7, method 7.1 and 7.2 of EN 1504-9). Increasing cover with additional mortar and replacing contaminated or carbonated concrete.</li> </ul>
Sika Monotop® 4012 <b>MORE PERFORMANCE MORE SUSTAINABLE</b>	Cementitious R4 concrete repair mortar containing recycled waste materials	<ul style="list-style-type: none"> <li>• Uses recycled waste materials</li> <li>• Layer thickness 6-120 mm.</li> <li>• Sulphate resistant</li> <li>• Hand and machine application (wet spray technique)</li> <li>• Easy to apply</li> <li>• Very low shrinkage behaviour</li> <li>• Does not require a bonding primer</li> <li>• Low permeability</li> <li>• A1 fire rating</li> <li>• Class R4 of EN 1504-3</li> </ul>	Repairs to all types of reinforced concrete structures and components for: Buildings, Civil engineering structures, Marine structures, Dams, Structures requiring a Class R4, R3, R2 or R1 mortar, Interior and exterior use
Sika Monotop® 3020 <b>MORE PERFORMANCE MORE SUSTAINABLE</b>	Cementitious R3 pore filler and levelling mortar containing recycled waste materials	Hand and machine application (wet spray technique)	<ul style="list-style-type: none"> <li>• Thin layer render</li> <li>• Use as a concrete pore filler/ levelling mortar</li> <li>• Repairing of minor defects (pores and honeycombed concrete)</li> <li>• Structures requiring a Class R3, R2, R1 mortar</li> <li>• For interior and exterior use</li> </ul>
Sika Monotop® 4200 Multi Flow	Cementitious multi-purpose applied concrete repair mortar	<ul style="list-style-type: none"> <li>• High early and final compressive strengths</li> <li>• Sulphate resistant</li> <li>• Good adhesion to concrete, mortar, stone and brick substrates</li> <li>• Good abrasion resistance</li> <li>• Very low shrinkage</li> <li>• Good surface finishing</li> <li>• Ready to mix with water</li> <li>• Excellent workability</li> <li>• Applied manually or mechanically (wet spray)</li> <li>• High pH passivates steel reinforcement</li> <li>• Does not contain chlorides or other corrosion promoting additives</li> </ul>	<ul style="list-style-type: none"> <li>• Repair of spalling and damaged concrete in infrastructure and superstructure works. Restoration work (Principle 3, method 3.1, 3.2 and 3.3 of EN 1504-9).</li> <li>• Increasing the bearing capacity of the concrete structure by adding mortar. Structural strengthening (Principle 4, method 4.4 of EN 1504-9).</li> <li>• Increasing cover with additional mortar and replacing contaminated or carbonated concrete. Preserving or restoring passivity (Principle 7, method 7.1 and 7.2 of EN 1504-9)</li> <li>• Repairs to reinforced concrete structures requiring a Class R4, R3, R2, R1 mortar</li> <li>• Horizontal, vertical and overhead repairs</li> </ul>

