




# STEP-BY-STEP GUIDE

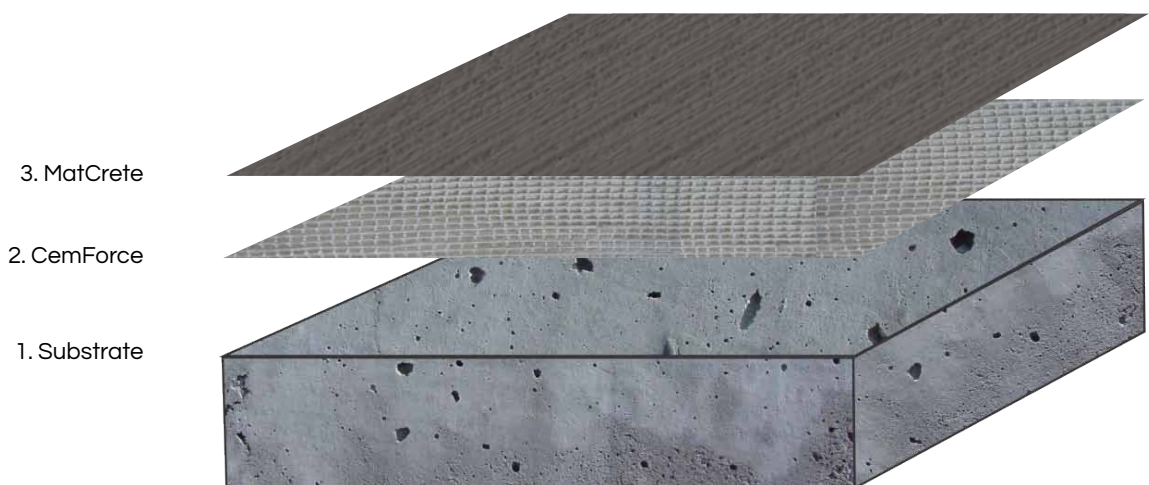
MatCrete onto unpainted structure



What do you need:

 Tools	 Products	 Difficulty
<ul style="list-style-type: none"><li>• Block Brush</li><li>• Chisel</li><li>• Paint Brush</li><li>• Mechanical Mixer</li><li>• Soft Broom (optional)</li><li>• Steel trowel (optional)</li></ul>	<ul style="list-style-type: none"><li>• FlexBond</li><li>• MatCrete</li><li>• CemForce</li><li>• Polypropylene Membrane</li></ul>	★ ★ ★ ☆ ☆

The system:



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## MatCrete onto unpainted structure



Combine 1 volume hydrochloric acid and 3 volumes water. Apply to the unpainted surface and leave to react for 15 minutes. Wire brush and rinse thoroughly. Neutralize the surface by washing with a solution made up of 1 cup of sodium bicarbonate to 10 litres of water, and then rinsed with clean water again.



Prepare a mixture consisting of 1:5 volumes of FlexBond to water. This will be used as the mixing liquid.



Open cracks at least 10mm x 10mm. Acid wash, wire brush and rinse. Neutralize the surface by washing with a solution made up of 1 cup of sodium bicarbonate to 10 litres of water, and then rinsed with clean water again.



Mix 3 volumes of MatCrete and 1 volume mixing liquid to form a MatCrete paste. Prime the crack with the diluted FlexBond solution, and, when tacky, apply the MatCrete paste to fill the cracks. Leave to dry.



Prepare a slurry consisting of MatCrete and the mixing liquid. Paint over the repaired crack.



Embed Cemcrete's Polypropylene Membrane into the MatCrete covering the crack, ensuring the membrane is fully saturated. It is also advised to apply strips of 200mm Polypropylene Membrane fully saturated with MatCrete slurry into all corners of the structure (going 100mm up the vertical, and 100mm across the horizontal sides of the corners).

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7. Mix MatCrete with enough mixing liquid to obtain a paintable consistency.



8. Note the consistency of the mix.



9. Apply first coat of MatCrete evenly over the entire structure using a block brush. Place a layer of CemForce over the wet MatCrete, making sure to overlap each joining piece by at least 10cm.



10. Soft brooms may be used to apply the MatCrete for larger areas.



11. Apply a second coat of MatCrete once the first coat has set. This must be done on the same day. A second layer of CemForce may be applied if required. This second layer should be placed perpendicular to the first layer. Follow with a final coat of MatCrete.



12. Leave to air cure for 3 to 4 days.



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Fill up with water.



Water should be tested after 7 days and treated if necessary before introducing plants and fish.



Completed project.