FEATURES
- One component material
- Easy overhead build up, 50 mm (2”)
- Long term crack resistance
- Superior freeze/thaw resistance
- Self-curing
- Breathable
- Waterproofs
- Low shrinkage
- Non-flammable
- Salt resistant
- Vermin proof
- Non-toxic
- Economical
- Approved for potable water contact

PRODUCT DESCRIPTION
Basic Use
Fibre-Patch OV is a fast set material, formulated to allow thin to thick overhead and vertical surfaces applications. It is suitable for balconies, ceilings, water reservoirs, tunnels, manholes, foundations, walls, abutments and other concrete structures.

Composition and Materials
Fibre-Patch OV is a one component (add water only) hydraulic cement based, polymer modified and silica-fume enhanced, fibre-reinforced mortar. The polymer modification allows air curing after 24 hours of wet cure and adds toughness to the material, when applied in thin sections. The pozzolan provides high resistance to chloride and water penetration, high strength, bond and chemical resistance. The fibre reinforcement allows a crack free application of thin to thick sections. The proprietary additivites allow an easy overhead application to 100 mm (4’’).

Limitations
Do not apply Fibre-Patch OV when the temperature is expected to go below 4°C (40°F) within 24 hours or when rain is imminent. Use hot weather concreting precautions when applying in temperatures exceeding 25°C (77°F) or under sunny and windy conditions. Minimum applied thickness is 6 mm (1/4 in).

Health and Safety
Fibre-Patch OV is non-toxic and non-flammable. Your skin might be sensitive to cement.

We recommend use of rubber gloves. Avoid contact with eyes and prolonged contact with skin. If contact occurs, flush immediately with water. Seek medical advice if irritation occurs. Harmful if digested. Keep product out of reach of children. FOR INDUSTRIAL USE ONLY. Consult MSDS for additional information.

Color
Dark Grey.

Packaging
Fibre-Patch OV is packaged in 22.7 kg (50 lb) bags.

Yield
Fibre-Patch OV yields 12.1 L (0.43 ft³) and covers approximately 2.0 m² @ 6 mm (20.5 ft² @ 1/4”) thickness per bag.

Storage and Transportation
Fibre-Patch OV when stored on pallets in a dry, cool area, free from moisture and direct sunlight has a shelf-life of 12 months. Packaged 55 bags per pallet.

TECHNICAL DATA

<table>
<thead>
<tr>
<th>Compressive Strength (ASTM C 109)</th>
<th>Time (days)</th>
<th>psi</th>
<th>MPa</th>
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<td>5,000-5,500</td>
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</tr>
</tbody>
</table>

| Modulus of Rupture (ASTM C348, 28 days) | 1,100 to 1,350 | 7.58-9.31 |

| Slant Shear Strength (ASTM C882) | 2,400-2,650 | 16.55-18.27 |

| Bond Strength with Concrete (Pull off test) | >200 | >1.38 |

| Rapid Chloride Permeability (AASHTO T 277) | 980 Coulombs |

| Salt Scaling (MTO report, MI-67) | 0.08 g/cm² |

| Freeze Thaw Durability (ASTM C 666, Proc. A) | less than 1% |

INSTALLATION
Current Guide Specification and Application Instructions contain additional information specific to each application and must be followed. Consult Bitumat Gemite’s Technical Service before starting a project to ensure the correct surface preparation, crack treatment, application procedures and suitability for a given environment.
Fibre-Patch®OV
Concrete Patching Mortar

Surface Preparation
Remove all loose and/or oil or grease contaminated concrete first. Sandblast, shot blast or high pressure water blast (min. 8-10,000 psi) to remove form release agents, laitence, dirt and other bond inhibiting materials to achieve sound concrete with exposed fractured aggregate and a surface profile of 3mm(1/8 in). Vertical edge of 6 mm (1/4 in), or more, must be created around the perimeter of the patch by saw cutting and chipping.

Reinforcing Steel
Remove concrete behind the reinforcing steel to 25 mm (1 in) depth. Remove loose rust from the surface of the reinforcing steel and apply two coats of Fibre-Prime rust proofing.

Mixing
Mix the contents of the 22.7 kg (50 lb) bag with 3.8 L (1.0 USG) of water, using a paddle or helix mortar mixer, or heavy duty drill (400 - 600 RPM) with a mixing paddle. Gradually add the dry material into water and mix until a smooth and lump free mix is obtained. Do not over mix. Adjust the water for trowelable consistency.

Application
Thoroughly saturate with water to attain a saturated surface dry substrate. Trowel apply a thin layer of Fibre-Patch OV. When applying over very rough surface, fill-in the voids first. Do not build up until the first layer develops a sufficient set and bond to support the weight of the additional layer, usually 10 – 30 minutes. Float to obtain an even surface. Close with the steel trowel if necessary. Do not overwork the material. Do not feather edge.

Curing
Wet cure for 24 hours and then air dry cure. Protect against rapid surface evaporation under hot, sunny and windy conditions by using a surface evaporation retarder or wetting the surface prior to the final set, which occurs in 15 - 20 minutes depending upon temperature. Curing compounds may be used.

Clean Up
All tools must be cleaned with water immediately after use. Cured material can only be removed mechanically.

MAINTENANCE
None required.

WARRANTY
A limited twelve (12) month Material Replacement Warranty is available. For complete details contact Bitumat Gemite’s Head Office.

TECHNICAL SERVICE
For technical advice on suitability of Fibre-Patch OV for specific application, specification assistance and application advice, contact Bitumat Gemite Technical Service.

Short Specification
The concrete repair material shall be Fibre-Patch OV, fibre-reinforced material as manufactured by Gemite Products Inc.

Consult Bitumat Gemite Technical Service before starting a project, to ensure that the correct surface preparation and application procedures are followed, especially when applied to previously treated substrates.