MEADOW-CRETE® OV
One Component Glass Fibre Reinforced Overhead and Vertical Patching Compound

DESCRIPTION
MEADOW-CRETE OV is a glass fibre reinforced cementitious patching compound designed for overhead and vertical applications. The polymer modified and silica fume enhanced formulation comes ready to use as a single component patching material, simply add the required amount of water and mix in an approved mixing device.

USE
Ideal for varying depths of patch and resurfacing of concrete substrates - ceilings, tunnel walls and roofs, foundations, abutments, bridges, etc. Suitable for both interior and exterior surfaces.

FEATURES
Ready to use . . just add water, mix and place.
Excellent bond to rough and damp surfaces.
Superior resistance to freeze/thaw cycling and de-icing chemicals.
Easily applied by trowel, may be applied in layers for thicker applications.

CAUTION
Do not apply when the temperature is expected to fall below 5°C (40°F) within 24 hours after placement. Do not apply in unprotected areas when rain is imminent.
Minimum application thickness is 6 mm (1/4").
Do not use over moving joints or cracks or over active leaks.

PROPERTIES, typical at 21°C (70°F).

<table>
<thead>
<tr>
<th></th>
<th>Working Time</th>
<th>15 to 20 minutes</th>
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<tbody>
<tr>
<td>Compressive Strength (ASTM C 109-90 Modified)</td>
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<tr>
<td>24 hours</td>
<td>15 - 16 MPa (2200 - 2400 psi)</td>
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<tr>
<td>3 days</td>
<td>23 - 26 MPa (3400 - 3800 psi)</td>
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<tr>
<td>7 days</td>
<td>26 - 29 MPa (3800 - 4200 psi)</td>
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<tr>
<td>28 days</td>
<td>29 - 32 MPa (4200 - 4700 psi)</td>
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Compressive strengths may vary due to temperature and weather conditions

|                  |                |                |
| Slant Shear Strength ASTM C 882-87 | 22.9 MPa (3320 psi) | |
| Module of Rupture ASTM C 27-40 | 8.3 - 10.3 MPa (1200-1500 psi) | |
| Freeze/Thaw Resistance ASTM C 666-A | Less than 1% weight loss | |
| Salt Scale Resistance | Excellent | |
| Rapid Chloride Penetration AASHTO T277 | 830 Coulombs | |
| Water Absorption | 7.6% | |

STANDARDS
Agriculture and Agri-Food Canada accepted.

DATA
Packaged 22.7 kg (50 lb.) multi-wall bags.
Yield Each bag yields approximately 0.013 m³ (0.44 ft.³) or covers 2 m² (21.5 ft.²) at 6 mm (1/4") thickness.
Storage Store indoors, off the ground. Keep dry for a shelf life of 12 months. Lumps in the material indicate poor storage and material should not be used.

Continued over ….
APPLICATION

Preparation
Mechanically abrade existing substrate to remove all unsound concrete, but do not use excessive force which may cause micro fracturing. Prepare surface in accordance with ICRI Technical Guide No. 03730. Substrate must be structurally sound and free of grease, oil, dirt or any other contaminants that can adversely affect the bond. Prepared surface must be dust-free and have a sufficient profile to ensure adequate mechanical lock.

Saw cut repair zone edges to a depth of 6 mm (1/4") to avoid feathered edging.

Completely expose all steel in repair zone and abrade entire circumference of steel to a white metal finish.

Substrate must be saturated, but with no standing water (SSD condition). Repair zone surfaces must be primed with a slurry coat of MEADOW-CRETE OV. Thoroughly scrub a thin layer of the slurry coat into the substrate with a stiff bristle brush. For enhanced bond prime (SSD) substrate with a slurry coat (2 parts MEADOW-CRETE OV powder to 1 part ACRY-LOK). Placement of the repair mortar must proceed when the slurry is tacky. Do not allow the slurry to dry.

Mixing
Add the MEADOW-CRETE OV to the water in the mixing vessel. A mortar type mixer with rubber tipped blades is recommended as this type of mixing provides optimum blending. Smaller quantities may be mixed with an electric drill and Jiffy mixer blade at a 400 - 600 rpm speed.

DO NOT MIX BY HAND as hand mixing will not produce properly blended material. Mix only that amount of material which can be placed and finished within the working time of approximately 15 to 20 minutes at 21°C (70°F). Hot weather will reduce and cold weather will increase working time. Do not over mix - total mixing time (70°F). For best performance, ensure most recent technical data sheet is being used. Visit our website at: www.wrmeadows.com

Do not re-temper or add any admixtures.

Placing
Immediately following mixing, place material onto the water saturated area to be patched, following the preparation method previously detailed. DO NOT LET SCRUB COAT DRY PRIOR TO MORTAR PLACEMENT.

On rough surfaces fill in the voids first forcing material against bottom and sides of the patch. The material develops a fast set which allows the application of consecutive layers approximately 10 to 15 minutes apart - because of temperature and weather variances make sure that each layer develops enough bond strength to support weight of new layers.

Smooth final layer with wood or sponge float and close with a steel trowel if necessary. Do not overwork surface.

Curing
Protect the patch against rapid mix water evaporation in sunny, windy, high temperature and low humidity application conditions. The use of EVAPRE™ Evaporation Retardant from W. R. MEADOWS may proceed immediately after screeding and/or between finishing operations. MEADOW-CRETE OV must be cured in accordance with ACI 308 utilizing a suitable curing compound, such as #1100 or VOCOMP®, from W. R. MEADOWS. Protect from freezing and rain.

Clean Up
Clean all tools and equipment after use with water. Cured material would have to be removed mechanically.

Proper application is the responsibility of the user. Field visits by W. R. MEADOWS' personnel are for the purpose of making technical recommendations only, and are not to supervise or provide quality control on the job-site.

SAFETY & TOXICITY
Prolonged contact with skin not recommended, use rubber gloves to avoid sensitivity to Portland cement. Avoid contact with the eyes, goggles are recommended. Wash thoroughly with water. See product label and Material Safety Data Sheet for additional information. Read and follow all instructions and precautions.

SPECIFICATION CLAUSE
Section 03 01 30.71

FOR BEST PERFORMANCE, ENSURE MOST RECENT TECHNICAL DATA SHEET IS BEING USED ... VISIT OUR WEBSITE AT:
www.wrmeadows.com

2007-08-14