



ULTRA FAIR-FACED VH

Single Component Polymer Modified Cementitious Fairing Coat

Admixtures

Surface Treatments

Protective Coatings

Concrete Repairs

Industrial Flooring

Grouts & Anchors,

Adhesives,

Water Proofing

Sealants

USES

ULTRA FAIR-FACED VH Cementitious fairing coat is designed for application in thin layers to produce a fair-faced appearance to concrete surfaces or masonry surfaces in readiness to receive a Protective/decorative coating.

Surface imperfections up to 3 mm in depth can be filled with the scrape coat application. Voids of greater depth should be separately filled as a prior operation, again limiting the material thickness to 3 mm. however, ULTRA FAIR-FACED VH can be used as a below hole filler up to 10 mm deep. ULTRA FAIR-FACED VH can also be used independently to infill surface imperfections and voids or to render large sections of concrete, brickwork or masonry at up to 3mm thickness. Under normal conditions, the product does not require an independent primer or curing membrane.

ADVANTAGES

- Easy to use - no independent primer or curing membrane necessary.
- Excellent bond to the concrete substrate.
- Pre-blended to overcome site-batched variations - only the site addition of clean water is required.
- Contains no chloride admixtures.

DESCRIPTION

ULTRA FAIR-FACED VH Cementitious fairing coat is supplied as a ready to use blend of dry powders which requires only the site addition of clean water to produce a highly consistent cementitious fairing mortar. The addition of Ultra SBR Latex to the gauging water will further

Improve the performance

Characteristics of ULTRA FAIR-FACED VH. The material is based on a blend of cements, graded aggregates, special fillers and chemical additives to provide a material with good handling characteristics, while minimizing water demand. The product exhibits excellent thermal compatibility with concrete.

DESIGN CRITERIA

ULTRA FAIR-FACED VH Cementitious fairing coat is designed for vertical and overhead use to infill honeycombing and voids up to 3 mm deep in the surface of concrete. It can also be applied as a render from a feather edge up to 3mm thick and as a blow hole filler up to 10mm deep. Consult the local Ultra Chemicals office for further information.

PROPERTIES

The following results were obtained at water : powder ratio of 0.3 : 1 by weight or 1:3 by volume and temperatures of 20°C and 35°C

TEST METHOD

Typical Result @20°C @ 35°C
Co-efficient of thermal expansion: 7 to 12 x 10⁻⁶/°C
Working life:
Approx 45 mins* Approx 20 mins*
Setting time (BS 5075)
45mins-1.5hrs* 30mins-1.0hrs*
Fresh wet Density:
Approximately 2000 kg/m³.

APPLICATION INSTRUCTIONS

Clean the surface and remove any dust, unsound material, plaster, oil, paint, grease, corrosion deposits or algae. Roughen the surface to remove any laitance and expose the fine aggregate by light scrubbing or grit-blasting.

Oil and grease deposits should be removed by steam cleaning, detergent scrubbing or the use of a proprietary degreaser. The effectiveness of decontamination should then be assessed by a pull-off test.

FAIR-FACED repair mortars require no additional preparation prior to the application of ULTRA FAIR-FACED VH.

The cleaned areas should be blown clean with oil-free compressed air before continuing. All prepared areas should be thoroughly soaked with clean water immediately prior to the application of ULTRA FAIR-FACED VH. Any residual surface water should be removed prior to commencement.

MIXING

Care should be taken to ensure that ULTRA FAIR FACED VH is thoroughly mixed. Small quantities (up to 5 kg) can be mixed but hand using a suitable mixing drum or bucket. Greater quantities should be mixed using a forced-action mixer.

Mixing in a suitable drum using an approved spiral paddle in a slow speed (400/500 rpm) heavy-duty drill is an acceptable alternative.

If mixing small quantities by hand, ULTRA FAIR FACED VH should be volume-batched. Add 3 volumes of the ULTRA FAIR-FACED VH powder (loose-filled) to excess and struck off level with the top of the measuring



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container) to one volume of drinking quality water. This should be mixed vigorously until fully homogeneous. A small quantity of Ultra SBR Latex can be included in the water.

For larger volumes, place 5.2 to 6.0 liters of cool drinking quality water into the mixer and, with the machine in operation, add one full 20 kg bag of ULTRA FAIR-FACED VH and mix for 3 to 5 minutes until fully homogeneous. For improved performance add 1.2 liters of Ultra SBR Latex into the mixer with the appropriate quantity of gauging water to achieve the desired mix consistency. Add one full 20kg bag while the machine is in operation. Dependent on the ambient temperature and the desired consistency, the amount of water required may vary slightly but should not exceed 6.0 liters per 20 kg bag of ULTRA FAIR-FACED VH.

HOW TO APPLY

Apply the mixed ULTRA FAIR-FACED VH to the prepared substrate by steel trowel from a feather edge up to a 3mm thickness or for filling blow holes up to 10mm deep. It should be applied with the minimum of working and be allowed to partly set before finally trowel ling to a smooth finish. If a very smooth finish is required, a small amount of water may be flicked on to the surface of the ULTRA FAIR-FACED VH with a paint brush prior to final trowel ling. Any friable material may be removed by light sanding after the ULTRA FAIR-FACED VH has cured.

Do not proceed with the application when rainfall is imminent unless in a sheltered or protected situation.

STORAGE SHELF LIFE

All products have a shelf life of 12 months if kept in a dry store in the original, unopened bags or packs @ 25°C.

STORAGE CONDITIONS

Store in dry conditions in the original, unopened bags or packs. If store at high temperatures and/ or high humidity conditions the shelf life. May be reduced to 4 to 6 months. Ultra SBR Latex should be protected from frost.

PRECAUTIONS HEALTH AND SAFETY

ULTRA FAIR-FACED VH contains cement powders which, when mixed or become damp, release alkalis which can be harmful to the skin. Ultra SBR Latex is slightly alkaline. During use, avoid inhalation of dust and contact with skin and eyes. Wear suitable protective clothing, gloves, and eyes. Wear suitable protective clothing, gloves, eye protection and respiratory protective equipment. The use of barrier creams provides additional skin protection. In case of contact with skin, rinse with plenty of clean water, then cleanse with soap and water. In case of contact with eyes, rinse immediately with plenty of clean water and seek medical advice. If swallowed, seek medical attention immediately-do not induce vomiting.

Storage:

Avoid to place direct to sun light and always store in shady areas.

ISO Certification:

Our production facility at Pakistan is ISO 9001:2008 ISO 14001:2004 by BUREAU VERITAS and UKAS Management

WARRANTY:

The Ultra Chemicals, LLC. ("Ultra") solely and expressly warrants that its products shall be free from defects in materials and workmanship for 12 months from the date of purchase. Unless

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ULTRA CHEMICALS, LLC. USA

325 Conway, Hill Road, MO, 63901, USA. Ph: 573-429-1105
info@ultra-chemicals.com, www.ultra-chemicals.com - www.ultragroup.pk

