

Chevacryl Admix-R

Areas of Use:

A formulated Admix for cement mortars, plasters and slurries which takes the place of normal gauging water or water/plasticiser mixes to provide enhanced adhesion, flexural strength, chemical, abrasion and water-resistant properties for the mixes in which it is used.

Particularly suitable for use in areas where some degree of enhanced performance is required, particularly for industrial floors, both as a patch compound and screed, for tile bedding mortars, and as a concrete and plaster patching compound.

Product:

A modified acrylic polymer emulsion specifically designed with easy working characteristics. Supplied ready-for-use as a standard material for normal patching/screeding applications, but specific grades can be produced for special uses where cement/aggregate ratios and grading may vary from the norm, in terms of abrasion resistance, flexural strength or mortar composition.

Process Compatibility:

All water-borne Chevaline coatings can be applied over surfaces in which Chevacryl Admix has been used. Where Traxx or solvent-borne Chevaline products may be used please check with us first. Suitable as a primer under Schomberg Soloplan 30.

Colour:

As supplied - opaque white emulsion

Standard Pack:

20 litre plastic pails or jerricans

Physical Properties:

Liquid materials:

Volume solids: Admix-R 42% (depends on formula)
Specific gravity: 1.035-1.055 (depends on formula)
Flash point: None - waterborne system
Shelf life: Three years in original sealed pails stored in cool dry conditions.

Formulated cement mortar:

Chevacryl Admix: Cement 0.48:1.0 by weight
Tensile strength: 4.2 Mpa (1.6 Mpa)
Compressive strength: 39 Mpa (16.5 Mpa)
Flexural strength: 10.8 Mpa (4.2 Mpa)
Shear bond adhesion: >4.4 Mpa (0.3 Mpa)
Impact strength: 1.8 Kg-m (0.7 Kg-m)
Abrasion resistance: 1.2% weight loss (23%)

Note: 1) Figures in brackets relate to unmodified cement mortar.
2) All tests done after 28 days air cure.

Surface Preparation:

Old Concrete/Plaster:

Patching: Hack back to sound concrete/plaster ensuring that a straight or undercut edge at least 8mm deep is achieved. Remove any contaminated concrete or plaster which may inhibit adhesion.

Screeding: Caustic wash floor surfaces to remove all contamination and expose sound clean concrete. If necessary, scabble or flame clean surface.

New Cement Surfaces:

Patching: Ensure all unsound material is hacked free.

Screeding: Acid etch and rinse clear.

Note: Surfaces should be clean and water-free before mortar/plaster application. Dampness can be tolerated without ill effect.

Timber and Metal:

Ensure surface is dry and free of contamination.

Application Method:

Slurry Coat:

Normally a slurry-bonding technique is employed, with the slurry mixed as:

Cement	1 volume
Fine sand	1 volume
Chevacryl Admix	0.6 volume
Water as needed to give a brushing slurry	

The slurry should be well brushed into the surface with a stiff brush and allowed to "set-up" (4 hours+) before the mortar or screed is applied.

Mortar/Plaster:

Mix ratios will vary depending on end-use and sand-type. A general purpose mix is:

Cement	1 volume
Mortar sand	3 volumes
Chevacryl Admix	0.6 volume
Water only if absolutely necessary	

The dry materials should be premixed and the Admix incorporated in a plaster mix or by hand-mixing. A "wet" mix is to be avoided. The mixing ratio given will provide a dry mix which will screed and "pack" well. Leveling should be carried out with as little working of the surface as possible to avoid bleed of the Admix to the surface.

Curing: Floor screeds should be wet-cured for 72 hours or alternatively have a coat of Chevaline Clearglaze applied as a protective curing membrane 24 hours after laying.

Application Properties:

Dry time: A Chevacryl admix mortar will through-harden a little more slowly than a conventional mortar during the first few hours after laying. Within 6 hours of application, dry and cure times become similar, but strength gain is greater in all areas with the Admix mortar.

Clean Up:

All equipment should be cleaned down in fresh water immediately after use. Dry Chevacryl Admix mortars and slurries adhere tenaciously.

502

2 pages

PRODUCT
DATA
SHEET

Health & Safety:

Chevacryl Admix is a non-flammable emulsion and is no-toxic, and safe to handle. The normal precautions for skin-care taken when handling cement-based materials should be observed.

Equus Industries Ltd
PO Box 601
Blenheim
Phone: 03 578 0214 Fax 03 578 0919
Email: admin@equus.co.nz
Web: www.equus.co.nz