

CHEVACRYL ADMIX-R

A formulated admix for cement mortar, plasters and slurries

May 2024

PURPOSE AND 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 Chevacrlyl Admix has been used. Where Traxx or solvent-borne Chevaline products may be used please check with your local Equus branch first. Suitable as a primer under Schomburg Soloplan 30.

COLOUR:

As supplied - opaque white emulsion.

PACKAGING:

20 litre plastic pails or jerricans.

TECHNICAL DATA:

Liquid Material	
Solids (% by volume)	42 (depends on formula)
Specific gravity	1.035-1.055 (depends on formula)
Flash point	None - waterborne system
Shelf life	3 years in original sealed pails stored in cool dry conditions

Formulated Cement Mortar Chevacrlyl Admix	Cement 0.48:1.0 by weight	
Tensile strength	4.2 MPa	(1.6 MPa)
Compressive strength	39 MPa	(16.5MPa)
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:

- Figures in brackets relate to unmodified cement mortar.
- 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.

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SUBSTRATE PREPARATION (continued):

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
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	Ensure surface is dry and free of contamination

APPLICATION METHOD:

Slurry Coat

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

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.

Cement	1 volume
Mortar Sand	1 volume
Chevacryl Admix	0.6 volume
Water	As needed to give a brushing slurry

Mortar/Plaster

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

The dry material 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.

Cement	1 volume
Mortar Sand	3 volumes
Chevacryl Admix	0.6 volume
Water	Only if absolutely necessary

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

APPLICATION PROPERTIES:

Dry time	A Chevacrlyl 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 long-term in all areas with the Admix mortar.
Clean up	All equipment should be cleaned down in fresh water immediately after use. Dry Chevacrlyl Admix mortars and slurries adhere tenaciously.

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HEALTH AND SAFETY:

Chevacryl Admix is a non flammable emulsion and is non-toxic, and safe to handle. The normal precautions for skincare taken when handling cement-base materials should be observed.

For further information see our Safety Data Sheet.

TRANSPORT CLASSIFICATION:

Non-hazardous - not restricted.

WARNINGS AND BANS:

Is the building product/building product line subject to warning or ban under section 26 of the Building Act 2004?	No
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MANUFACTURERS CONTACT DETAILS:

Manufacture location	New Zealand
Legal and trading name of manufacturer	Equus Industries Ltd.
Manufacturer address for service	4 Sheffield Street, Blenheim 7274
Manufacturer website	www.equus.nz
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