

842 MVRA TECHNICAL DATASHEET

Identification: CLEVA CRETE 842 MVRA
Product Type: Moisture Vapour Reduction Admixture (MVRA)
Recommended Use: Concrete admixture for reducing moisture vapour transmission in flooring applications

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DESCRIPTION

CLEVA CRETE 842 MVRA is a liquid, integral concrete admixture specifically formulated to reduce moisture vapour transmission in concrete slabs and structural elements.

Proprietary technology reacts with cementitious compounds during hydration to form additional Calcium Silicate Hydrate (C-S-H) within the concrete mix. This process prevents free water from creating the capillary network within concrete, significantly reducing permeability and proactively preventing moisture vapour movement through concrete.

The reaction is permanent and becomes an integral part of the concrete matrix, providing long-term performance without reliance on surface-applied systems.

Typical Application

CLEVA CRETE 842 MVRA is suitable for use in:

- Slab-on-ground construction
- Post-tensioned slabs (PT)
- Suspended and elevated slabs
- Precast concrete elements
- Commercial and industrial flooring systems

PERFORMANCE & COMPLIANCE

When specified, batched, placed, cured, and tested in accordance with:

- AS 3600
- AS 1379
- AS 1884 (Appendix A – Moisture Testing)
- Manufacturer's installation guidelines

CLEVA CRETE 842 MVRA is designed to reduce moisture vapour transmission through concrete, supporting the earlier installation of moisture-sensitive floor coverings where moisture levels are verified to be within acceptable limits for the specified flooring system.

Note:

MVER Moisture testing) must be conducted prior to flooring installation to confirm compliance with AS 1884 and the flooring manufacturer's requirements.

KEY BENEFITS

- Reduces moisture vapour transmission through concrete
- Enables earlier installation of flooring systems (subject to testing)
- Integral solution – no surface coatings required
- Permanent performance within the concrete matrix
- Reduces risk of flooring failure due to moisture
- Contributes to improved durability and reduced permeability
- Assists in maintaining construction schedules

DOSING AND APPLICATION

Dosage Rate:

- 650 mL per 100 kg of total cementitious materials

Application Method:

- Dose into truck at tail end of batching and mix thoroughly (Preferred), or
- Add to concrete mix at batch plant
- Concrete should be placed, finished, and cured in accordance with standard industry practices.

LIMITATIONS

- CLEVA CRETE 842 MVRA is designed to reduce moisture vapour transmission through concrete but does not replace the requirement for a damp-proof membrane (DPM) where specified. Subgrade moisture protection must be provided in accordance with AS 2870 and relevant project specifications.
- This product does not replace waterproofing systems required for wet areas. Wet area waterproofing must be installed in accordance with AS 3740 and/or AS 4654 where applicable.
- CLEVA CRETE 842 MVRA does not eliminate the requirement for proper curing practices in accordance with AS 3799 and standard industry methods.
- Moisture testing must still be conducted prior to flooring installation in accordance with AS 1884.
- Performance is dependent on correct batching, placement, finishing, and curing of the concrete.

SPECIAL HANDLING

- Store only in CLEVA CRETE labelled sealed containers.
- Protect from extreme temperatures
- Do not use product that is frozen or has separated

SAFETY

Please refer to Safety Data Sheet (SDS) at www.clevacrete.com.au

TECHNICAL AND PRODUCT DATA

Appearance	Clear
Odour	None
Toxicity	None
Flammability	None
pH	Neutral
Shelf Life	Indefinite
Weight	1,600kg
Solvent	None, water base
Acid Resistance	Excellent
Hazardous Vapors	None
Capillary Break	Integral C-S-H
Installation	All cementitious materials
Number Of Components	1
Packaging	1040 Litre IBC

WARRANTY DISCLAIMER

CLEVA CRETE 842 MVRA is designed to significantly reduce moisture vapour transmission when properly specified, dosed, and installed.

Performance is dependent on compliance with:

- Manufacturer's instructions
- Relevant Australian Standards including AS 1884
- CLEVA CRETE does not warrant performance where installation, curing, or testing requirements are not followed.