

842 WP TECHNICAL DATA SHEET

Identification:	CLEVA CRETE 842 WP
Application:	Water Proofing for ingress/egress Slab on Grade, PT, Elevated & all cast- in-place and precast elements
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DESCRIPTION

CLEVA CRETE 842 WP is a high-performance water proofing concrete admixture designed for commercial and industrial applications to minimise moisture and chemical ingress/egress. It is suited to specialised concrete in extreme pH environments, such as underground carparks, tunnels, rooftops, wineries, sewage treatment plants, piling, and the aquaculture industry.

Through an inorganic chemical reaction with cementitious components, CLEVA CRETE 842 WP utilises free water to form additional Calcium Silicate Hydrate (C-S-H) gel. This process permanently blocks water and chemical pathways, densifies the concrete, and achieves industry-leading waterproofing performance.

CLEVA CRETE 842 WP should be used in all concrete where superior waterproofing, extended service life, chemical resistance, crack mitigation, and densification are required.

ADVANTAGES OF CLEVA CRETE 842 WP

- Integral resistance to chloride, sulphide, and moisture ingress
- Reduces plastic and heat-shrinkage cracking
- Increases concrete density and durability
- Effective in reducing heat of hydration
- Minimises concrete dusting
- Reduces slab curl
- Promotes internal curing and crack self-healing

SELF-HEALING PERFORMANCE

When incorporated into concrete with a compressive strength ≥ 32 MPa and a water-to-cement ratio between 0.34 and 0.59, CLEVA CRETE 842 WP promotes autogenous healing of microcracks up to 0.66 mm. This enhances durability and long-term performance by sealing fine cracks before they propagate.

APPLICATION INSTRUCTIONS

- Dosage: 650 mL per 100 kg of cementitious material
- Addition: Introduce with head water or at the tail end of the concrete load
- Suitable for all cementitious mixes

SPECIAL HANDLING

Discard any frozen, separated, visually observable product.

SAFETY

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

TECHNICAL AND PRODUCT DATA

Appearance	Clear
Odour	None
Toxicity	None
Flammability	None
pH	Neutral
Shelf Life	Indefinite
Weight	1,150kg (IBC)
Solvent	None, water base
Acid Resistance	Excellent
Hazardous Vapors	None
Capillary Break	Integral C-S-H
Installation	All cementitious materials
Number Of Components	5
Packaging	1040 Litre IBC

WARRANTY DISCLAIMER

CLEVA CRETE 842 WP produces highly acid and alkali-resistant, anti-hygroscopic concrete. Performance is warranted only when concrete is designed, mixed, and placed in accordance with relevant Australian Standards, including AS 3600:2018 and AS 1012, and the supplied product instructions.