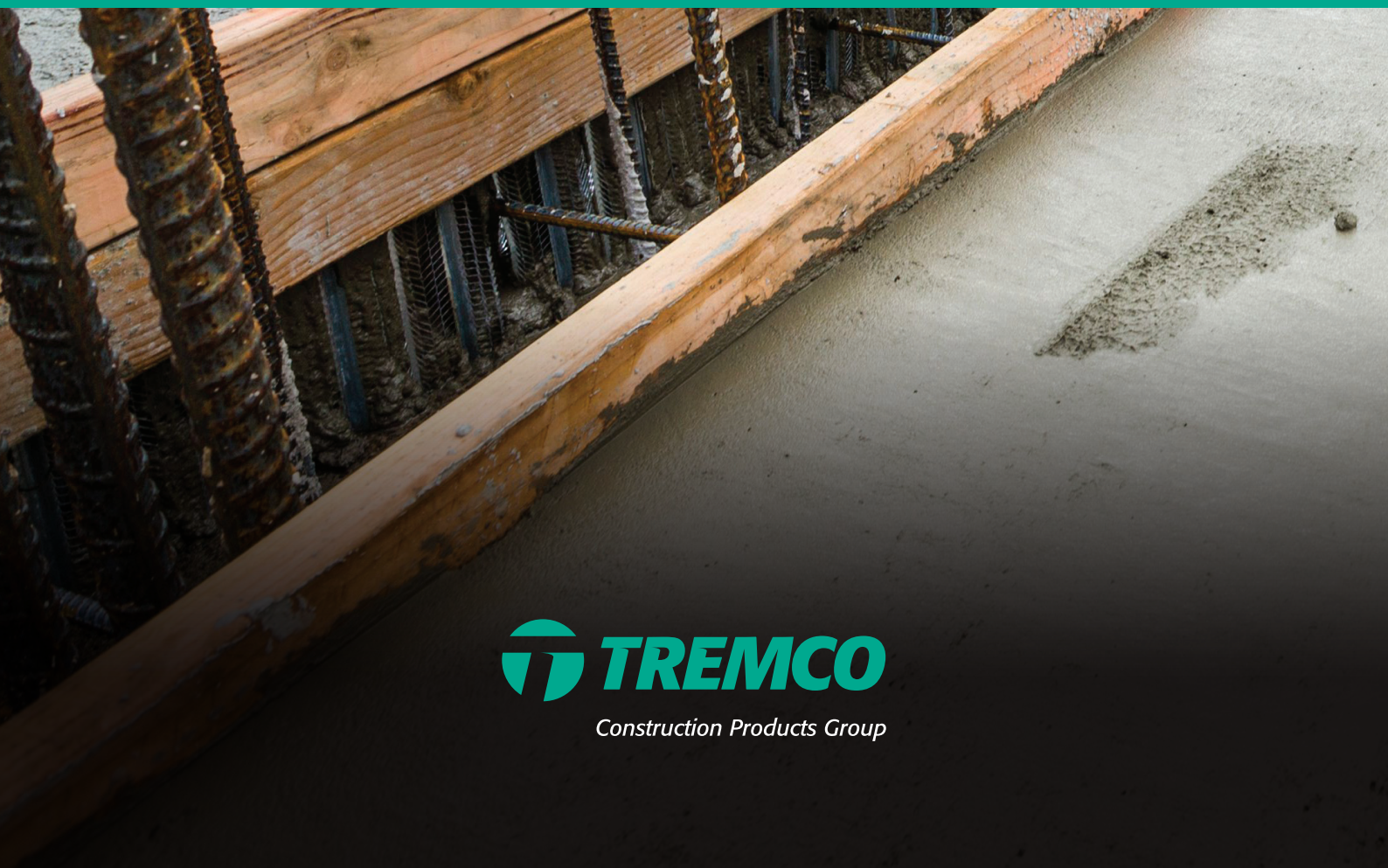
CONCRETE CURING SOLUTIONS

Introducing the Tremco CPG range of curing compounds



TREMCO

Construction Products Group

INTRODUCING TREMCO CONSTRUCTION PRODUCTS GROUP

TREMCO
Construction Products Group

A world leading supplier of building envelope solutions across Asia Pacific

We know that the success of a construction project relies on more than the products that are used, as it takes a lot of skill, knowledge, understanding, and expertise to ensure that those products are applied in the best way possible.

At Tremco Construction Products Group (CPG), we're committed to shaping the future through innovative approaches and sustainable solutions.

This commitment is backed up by the fact that we bring together first-class technology with a customer-focused approach, along with skills that have been built up over multiple decades within very specialised fields across Asia Pacific, to provide a truly unique service.

From joint sealing, façade bonding and insulation through to passive fire protection, performance resin flooring, waterproofing, and roofing solutions — our broad range makes us the ideal partner to solve the complex challenges faced by today's architects, contractors, developers, and trades.

With expertise in a range of product technologies, Tremco CPG provides solutions to help you engineer structures that are more efficient to build and maintain, are virtually impervious to the elements, and can provide a multitude of finishes.

Our brands include Tremco, Willseal, Flowcrete, illbruck, Nullifire and Euclid Chemical.

TREMCO Willseal Flowcrete illbruck Nullifire EUCLID CHEMICAL

Why Tremco CPG?

Faster Construction Time
Lightweight, fast-curing and prefabricated products mean less occupant disruption, faster return to service, less revenue lost, and no call-backs.

Stronger and More Resilient
Our systems are designed for maximum durability, many with service lives far surpassing that of competing systems.

Cost Effective
A broad range of options that fit any budget — but also help you keep an eye on the future to ensure cost-effective ownership, operation and maintenance.

One Point of Contact
Products are tested for compatibility and backed by system warranties — all through a single point of contact, with a single point of responsibility.

Any Look You Want
A wide range of colours and finishes for floors, walls, façades and roofs to provide almost unlimited design potential for your building project.

Impervious to Weather
Products designed for maximum protection from the elements, including above and below ground-level solutions to prevent the ingress of water.

Better Insulated
Industry leading brands that provide solutions for more efficient building construction and operation, and exceeding strict energy codes for insulation.

Leading Edge Sustainability
Construction solutions that meet green building standards, enhancing building efficiency and conscious of the environment that surrounds us.

>> For more information, visit **www.tremcocpg-asiapacific.com**

Curing Concrete Surfaces

TREMCO
Construction Products Group

TREMCO Willseal Flowcrete for the world at your feet illbruck Nullifire EUCLID CHEMICAL

What is Curing?

Curing has a strong influence on properties of hardened concrete such as durability, strength, watertightness, wear resistance, volume stability and resistance to freezing and thawing.

When Portland cement is mixed with water, a chemical reaction called hydration takes place. The extent to which this reaction is completed determines the strength, durability and density of the concrete. Most fresh concrete contains considerably more than enough water for completed hydration of the cement; however any appreciable loss of water by evaporation or otherwise will delay or prevent completed hydration.

Since hydration is relatively rapid the first few days after fresh concrete is placed, it is important for the water to be retained during this period, that is, for evaporation to be prevented or at least reduced.

Why Cure Concrete?

The objects of curing are:

- To prevent the loss of moisture
- To control the concrete temperature for a definite time

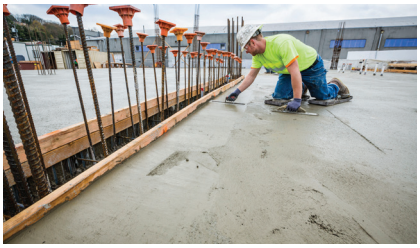
With proper curing, the concrete will become stronger and more resistant to stress, abrasion and frost. The improvement is rapid at early ages but continues more slowly for an indefinite period. When moist curing is interrupted, the development of strength continues for a short period and then topes. However, as moist curing is resumed, strength development will be reactivated. Loss of water will also cause the concrete to shrink, thus creating tensile stresses at the drying surface. If these stresses develop before the concrete has attained adequate tensile strength, surface cracking can result. Exposed surfaces, including exposed edges and joints, must be protected against moisture evaporation.

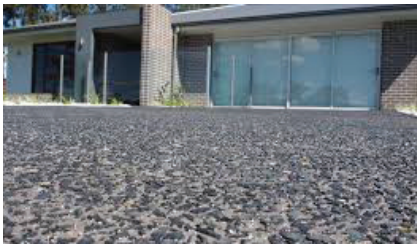
What is a Curing Compound Solution

Evencure liquid impermeable-membrane curing compounds are “apply and forget” systems that effectively, efficiently and economically replace labour intensive curing systems such as wet hessian, polythene or ponded water. These latter systems whilst effective if utilised properly, require constant maintenance because they are very easily disrupted by atmospheric conditions such as winds or high temperatures. Evenrange can supply the curing compound most suited to your needs whether it be water based, solvent based, bituminous and chlorinated rubber.

Advantages of Using a Curing Compound Solution

It permits early curing as they can be applied within about half an hour of casting after the bleeding water has evaporated and the glossy shine or brightness of water has disappeared. They are applied in a single operation and one can note that the entire area is covered.





Concrete Curing Product Range

TREMCO Construction Products Group

TREMCO Willseal Flowcrete for the world at your feet illbruck Nullifire EUCLID CHEMICAL

Product	Description	Suitability	Packaging	
Evencure XDS-NXGEN	A hydrocarbon resin blend cure blended with hardeners and densifiers to create the highest performance curing compound currently available on the Australian market.	Suitable for curing all freshly laid concrete either smooth or textured, indoors or outdoors.	20L 200L 1000L	
Evencure AC	A acrylic modified emulsion used as a curing membrane on freshly poured concrete. Meets AS3799 requirements and exhibits excellent durability as a concrete sealer.	Suitable for curing all freshly laid concrete either smooth or textured, indoors or outdoors.	20L 200L 1000L	
Evencure BCP	A blend of bitumen and hydrocarbon resins emulsified in water. The impervious film formed prevents excessive water evaporation, promotes efficient cement hydration, minimises shrinkage whilst increasing durability of the concrete.	Suitable for curing all freshly laid concrete either smooth or textured, indoors or outdoors*. *After 30-35 days the continuous film formed on the concrete surface will begin to degrade due to exposure to UV light. Evencure W30 can also be used as a debonding agent when applied to the concrete sub-base prior to pouring the concrete base. This allows the two layers to expand and contract differentially without producing cracking.	20L 200L 1000L	
Evencure W30	A low to medium viscosity wax-based, sprayable curing compound formulated to cure freshly laid concrete. Meets the requirements of AS3799 for moisture retention in liquid membrane curing compounds.	Suitable for curing all freshly laid concrete either smooth or textured, indoors or outdoors.	20L 200L 1000L	
Evenrange AA	A low viscosity aliphatic alcohol blend in an aqueous solution.	Designed to be applied to freshly placed concrete surfaces, to reduce water evaporation during the critical "finishing" period of the concrete, particularly under adverse weather conditions such as high temperature, high winds and low humidity.	20L 200L 1000L	
Formrelease WB	A low viscosity reactive release for all types of formwork that reacts with the water from the concrete and produces a film of lime soap at the concrete/formwork interface enabling the formwork to be easily stripped for re-use.	Use in all types of concrete construction whether in-situ or precast concrete plants for achieving architectural off form concrete finishes with fewer defects.	20L 200L 1000L	
Evenrange X-Pose	A uniquely formulated liquid that retards the surface of the concrete, whilst allowing the subsurface to still harden.	Allows easy removal of the treated concrete while the subsurface concrete remains hard and limits the failure of the aggregate bond in the exposed concrete.	20L 200L 1000L	
Ecolease	A water based concrete release agent designed to work in a variety of applications.	Well suited to releasing concrete from timber or metal framework.	20L 200L 1000L	

>> For more information, visit **www.tremcocpg.com.au**

Concrete Curing Product Range

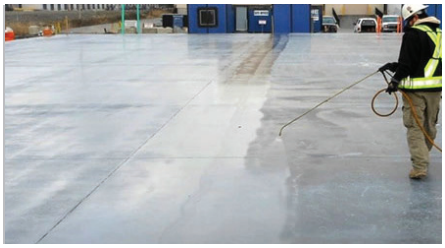
TREMCO Construction Products Group

TREMCO Willseal Flowcrete Sillbruck Nullifire EUCLID CHEMICAL

Product	Prime Use	Limitations	Meets AS3799	RMS Compliant	Curing Efficiency	Does It Cure & Seal	After Trade	Coverage	Water Based	Product Colour (wet form)
Evencure XDS-NXGEN	Warehouse / Open Areas / Roads Bridges	N/A	Yes √	Yes √	>90%	Cure √ Seal X	Will not take aftertrades	1lt/5m2 as per 3799 requirements	Yes √	Milky White or Red
Evencure AC	Slabs Required After Trades	N/A	Yes √	Yes √	>90%	Cure √ Seal √	Some, test patch for adhesion	1lt/5m2 as per 3799 requirements	Yes √	Milky White
Evencure BCP	Bitumen Overlay	Not a Tack Coat	Yes √	Yes √	>90%	Cure √ Seal X	Will not take aftertrades	1lt/5m2 as per 3799 requirements	Yes √	Black
Evencure W30	Civil Roads & Bridges	No pedestrian traffic (wax)	Yes √	Yes √	>90%	Cure √ Seal X	Will not take aftertrades	1lt/5m2 as per 3799 requirements	Yes √	Milky White
Evenrange AA	Aliphatic Alcohol Finish Agent	Not a Curing Compound	N/A	Can be depending on the specification	N/A	N/A	N/A	Dilute 1-9 depending on conditions	Yes √	Green
Formrelease WB	Water Based Form Release Agent	N/A	N/A	N/A	N/A	N/A	N/A	Refer to TDS	Yes √	Red
Evenrange X-Pose	Surface Retardent	Refer to TDS	N/A	N/A	N/A	N/A	N/A	0.5-1.5 lt/m2 depending on conditions	Yes √	Light Green
Ecolease	Water Based Form Release Agent	N/A	N/A	N/A	N/A	N/A	N/A	Refer to TDS	Yes √	Milky White

PLEASE NOTE: THIS IS A GUIDE ONLY

For more information, please refer the detailed product technical documentation.



>> For more information, visit **www.tremcocpg.com.au**

Contacts

Dudley Slater
National Key Account and Major Projects Manager
dudley.slater@tremco.com.au
0456 003 103

Blair Hodgkinson
State Manager - VIC/SA/TAS
blair.hodgkinson@tremco.com.au
0413 359 771

Ashley Young
Technical Sales Representative
ashley.young@tremco.com.au
0412 204 689

Adam Deeley
Technical Sales Representative
adam.deeley@tremco.com.au
0411 240 585

Brian King
Technical Sales Representative
brian.king@tremco.com.au
0438 897 895

Tremco Construction Products Group (CPG) represents the combined power of brands including Tremco, Flowcrete, Willseal, illbruck, Nullifire, and Euclid Chemical.

Our products and services empower teams to develop, design, restore and engineer structures that are more efficient to build and maintain, are virtually impervious to the elements and can provide any look desired.

1800 318 038

www.tremcocpg.com.au

TREMCO
Construction Products Group

21/03/2022 IO