

EverKrete 102.

Advanced, Thermoset Vinyl Polymer



The For EverKrete concrete repair system.

EVERKRETE

Adheseal

The Adhesive and Sealant Specialists

Description

EverKrete 102 is a flexible Thermoset Vinyl Polymer resin binder, when mixed with kiln dried aggregates and sand makes EverKrete mortar. EverKrete 102 when saturated with sand forms a tough slip resistant surface overlay.

Uses

- Binder for EverKrete mortar
- Binder for EverKrete surface overlay
- Concrete primer for concrete surfaces between -18dgC & +15dgC.

See EverKrete Instruction manual for all the comprehensive details of the EverKrete concrete repair systems.

Benefits

- Fast cure
- Low Viscosity
- Excellent weathering ability
- When utilising EverKrete Accelerator, surface temperature can be between -18dg C and +35dg C
- Excellent primer for surfaces between -18dgC and +10dgC.
- Variable work times
- Compatible with all common building materials
- Micro Fibre Reinforced
- Once fully cured does not re-emulsify, long term performance.
- Tough & Durable
- Suitable for Internal & External Applications

Acceptable Substrates

- Concrete after curing period of 28 days.
- 3:1 sand cement screed or C-Bed.
- Masonry / render after curing period of at least 4 days.
- Pre-cast concrete once release agent has been removed/ dissipated.
- Brickwork, Hebel and concrete blocks

Limitations

- Do not use when surface temperature is below -18dg C or above +35dg C
- If not utilising EverKrete Accelerator, surface temperature must be between 10dg C and +35dg C
- Do not apply on damp, wet, or contaminated substrates, if it is raining or if rain is imminent.

Application

See EverKrete Instruction manual for all the comprehensive details of the EverKrete concrete repair systems.

Mix EverKrete 102.

Remove the lid of the EverKrete 102 container & pre-mix contents with a power mixer at a slow consistent speed to evenly disperse any settlement that has settled on the base of the container.

Measure pail.

Pour the appropriate amount of EverKrete 102 into the measuring pail.

Note before proceeding, consider: The EverKrete Mortar may be applied as soon as the EverKrete 2P Primer dry to a tacky. Do not let EverKrete 2P dry for extended periods

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of time before application of EverKrete, the primed area must remain clean and the EverKrete mortar must be applied on the same day.

Catalyse:

Accurately measure the EverKrete Catalyst and add to EverKrete 102 in the mixing bucket, power mix well to evenly disperse for 30-60 seconds. Mix Ratio: 2 parts Catalyst to 100 parts EverKrete 102, the ratio can be increased to no more than 3:100 for a faster cure.

Catalyst Mix Ratio		
102	Catalyst	
Litres	2:100	3:100
0.5	10	15
1	20	30
2	40	60
3	60	90
4	80	120
6	120	180
10	200	300
18.9	378	567

CAUTION: Do not add EverKrete Catalyst & Accelerator simultaneously.

Important - Do not add dry components at the same time. It is essential to thoroughly mix catalyst in before adding any dry components (sand, aggregates EverKrete LVF).

If EverKrete Accelerator is to be used, add at this step after the resin is catalysed, power mix well to evenly disperse for 30-60 seconds. If substrate temp is below 10dg or a rapid cure is required, EverKrete accelerator can be used, refer to the EverKrete Accelerator TDS for instructions on its use.

EverKrete Mortar and Surface Overlays

See EverKrete Instruction manual for all the comprehensive details of the EverKrete concrete repair systems.

Colour Matching

Less sand makes a greyer finish, and more sand will make a more tanned finish. By adding EverKrete LVF a greyer colour will be attained. Colour tints can also be added, consult Adheseal Technical Dpt for advice.

More Tips

Always catalyse EverKrete 102 before adding sand/dry components.

Sand and aggregates to be kiln dried only.

EverKrete Accelerator is also available. This will speed up the curing time rapidly.

EverKrete Primer uses heat to cure. By heating the surface before applying primer will speed curing time.

For easy trowelling use a clean shiny stainless-steel trowel. Wiping the trowel surface with acetone will assist with a neat finish.

Materials and Equipment:

- EverKrete 102 pouring container.
- Measuring container for EverKrete catalyst.
- Bagged kiln dried sand. (20-40 mesh (coarse), or for fine feather edging, use 40-60 mesh (fine).
- Measuring containers with Increments.
- 20 Litre (or larger) mixing containers.
- Brushes and/or rollers to apply the EverKrete 2P Primer.
- Trowels. (Must be totally clean on tooling surfaces.)
- Concrete edging tools for installing dummy joints.
- Heavy-duty power mixer with wide mixing paddle or grout mixer.
- Electrical generator or available electricity.
- Acetone for tool clean-up.
- Container with lid, in which trowels and tools will fit flat on bottom, bathed in acetone, immediately after using.
- Pumice stone for feather edging and smoothing.
- Race tape (cloth lined non-stretch))
- Leaf blower
- Rags and Adheseal citrus hand wipes.

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Products Used

- EverKrete 102
- EverKrete Primer
- EverKrete Accelerator
- EverKrete Catalyst
- EverKrete LVF (Low Volume Filler)

Coverage

See EverKrete Instruction manual for all the comprehensive details of the EverKrete concrete repair systems.

Cure Time.

full traffic use in 45 – 90 minutes

Pot Life with 80% aggregate:

@25 dg approx. 20 min.

@40 dg approx. 12 min. Linear Shrinkage Filled 0%

Pot Life without aggregate:

@25 dg., approx. 13 min. @40 dg., approx. 7 min.

Clean Up.

While the product is still wet, tools and spills can be efficiently cleaned with Acetone, once cured by mechanical means. Do not use coloured rags to clean up.

Colours

Grey, EverKrete can be coloured with Pigment Pastes.

Packaging

4Lt EK102/4

20Kg EK102/20

Catalyst included

Physical Properties

Type of product	Thermoset Vinyl Polymer
Density (specific gravity)	1.08 – 1.15 g/cm ³
Consistency	Sticky Liquid
Solids by wt:	approx. (@25dgC)99%
Solids by vol:	approx. (@25dgC)98%
Viscosity @ 25 dg	500-700mPa.s
Linear Shrinkage (unfilled)	1.1%
Water Absorption (ASTM D 570)	0.64%
Clean up	Acetone
Storage: Cool Dry	Between +10dgC & +25dgC
Application temperature	Between -18dgC & +35dgC
Service temperature	Between - 40dgC & +80dgC.
Final Drying time @ 25 ^o C & 50% Humidity	40-90 minutes (may vary with climatic conditions)
Shelf life	Minimum 6 months from DOM
Colours	Grey

Note:

Before application, refer to all relevant TDS's and SDS's detailed product specifications & application instructions.

Specification:

The information contained in this TDS is typical but does not constitute a full specification as conditions and specific requirements may vary from project to project. The instructions should be considered as a minimum requirement. The applicator or contractor must use their skill, knowledge, and experience to carry out additional works as may be necessary to meet the requirements of the project. Specification for specific projects should be sought from the company in writing.

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Conditions Of Use and Disclaimer:

The information contained in this TDS is given in good faith based upon our current knowledge and does not imply warranty, express or implied. The information is provided, and the product is sold on the basis that the product is used for its intended purpose and is used in a proper workman like manner in accordance with the instructions of the TDS in suitable and safe working conditions. Under no circumstances will the Company be liable for loss, consequential or otherwise, arising from the use of the product.

FIRST AID MEASURES

If poisoning occurs, contact a doctor or Poisons Information Centre (Phone Australia 131 126, New Zealand 0800 764 766).

Inhalation: Remove to fresh air. If not breathing, administer CPR until help arrives or the victim starts to breathe on his own. If breathing is difficult, give oxygen. Seek medical attention immediately.

Skin Contact: Immediately flush with water for at least 15 minutes. Remove contaminated clothing. Seek medical attention immediately. Wash thoroughly after handling.

Eye contact: Hold eyelids apart and immediately flush with plenty of water for 15 minutes. Seek medical advice. Remove contact lenses.

Ingestion: Rinse mouth with water. Never give anything by mouth to an unconscious person. Obtain medical attention. If swallowed, DOT NOT induce vomiting unless directed to do so by medical personnel.

Notes to physician: Treat symptomatically

Danger



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