

## CONCRETE PRIMER AND CURING AGENT FOR NEW GREEN CONCRETE

Allows the application of finishing treatments  
to concrete within 24 - 36 hours of casting

**CONSEAL GREENCRETE** is a two-part, low solvent, epoxy concrete primer that has a unique formulation that gives it the ability to mix with fresh wet concrete while still being resistant to diffusion of water through the uncured coating. This attribute enables CONSEAL GREENCRETE to seal moisture into green concrete so that it is able to react with the cement causing it to fully cure, even outdoors, in hot, dry conditions.

When CONSEAL GREENCRETE and the cement in the concrete substrate cure, they chemically react together ensuring that the CONSEAL GREENCRETE is permanently bonded to the concrete. The cured surface is far harder and more durable than concrete treated with conventional coatings in the usual way. When applied to new concrete immediately after laying CONSEAL GREENCRETE also eliminates all floor preparation work and enables rapid job completion.

**CONSEAL GREENCRETE** can be applied to screeded or power floated concrete as soon as it can be walked on, but it must be applied within 8 hours of casting to ensure that CONSEAL GREENCRETE and the cement react together. If the concrete is allowed to cure for a longer period before coating a surface laitance may develop which can prevent adhesion of the primer.

**CONSEAL GREENCRETE** has a very low moisture transmission rate and it should only be applied to correctly proportioned concrete with minimum excess water. Do not apply CONSEAL GREENCRETE to concrete that has had water added as the excess water in it will take a long time to escape and may cause de-lamination of the coating.

**TYPICAL USES** As a concrete primer for any application, to ensure best adhesion and surface preparation for any subsequent coatings.

**SUBSTRATE PREPARATION** Fresh concrete requires no preparation but surface water must be allowed to evaporate before application.

**APPLICATION CONDITIONS** Epoxy coatings should not be applied below 7°C as very low temperatures will prevent full cure.

**MIXING** CONSEAL GREENCRETE resin should be pre-mixed in the tin

before the hardener is added. Add all of the hardener to the tin of resin and mix thoroughly with an electric mixer.

Transfer all of the contents into a clean bucket and mix for another 2-3 minutes. When mixed, the resin and hardener will start to react, generating heat which will accelerate the reaction. The greater the mass of epoxy, the more heat will be generated and the shorter the pot life. To prolong pot life pour the resin into shallow trays or onto the floor. If you require a smaller quantity or are unable to use all of the material within its pot life, weigh out resin and hardener in the proportions specified on the label using digital scales.

Please see our website for more information on the proper mixing of epoxy resins.

**APPLICATION** CONSEAL GREENCRETE should be applied liberally by brush, roller or spray.

If CONSEAL GREENCRETE is applied by brush or roller the concrete must be allowed to cure sufficiently to resist the agitation of the concrete caused by the application tools. Squeegees should not be used.

The coverage of CONSEAL GREENCRETE will vary depending on the porosity of the concrete.

### ADVANTAGES OF CONSEAL GREENCRETE

- Can be applied to fresh wet concrete within a few hours of pouring.
- Eliminates all surface preparation of new concrete.
- Promotes full cure of the concrete in hot conditions by eliminating water loss.
- Prevents dusting of the concrete surface caused by drying out.
- Easy to use and fast to apply.
- Quick cure allows fast over-coating and finishing of floors.
- Allows moisture sensitive polyurethane coatings to be applied within 24 hours of pouring.
- Excellent adhesion to fresh uncured concrete.
- Provides superior adhesion for finishing systems.
- The table overleaf shows that one coat of CONSEAL GREENCRETE will reduce the water loss of a cement moulding by at least 94%

**OVER-COATING** CONSEAL GREENCRETE can be over-coated as soon as it is touch dry as shown in the table overleaf according to the ambient temperature. If it is allowed to cure beyond the maximum over-coating time, glossy areas must be abraded

before any further coatings are applied.

If floor coverings such as vinyl tiles are to be laid it is advisable to apply one coat of CONSEAL GREENCRETE and one coat of CONSEAL DRY to ensure complete

coverage. The floor covering can be laid immediately once the second coat of CONSEAL GREENCRETE has hardened.

Alternatively, if a hard wearing epoxy finish is required, apply two coats of CONSEAL CERAMIC or CONSEAL UTILITY.

### CONSEAL GREENCRETE - Water loss in mg/cm<sup>2</sup>

Promotes full cure of concrete by virtually eliminating evaporation of water from coated surfaces

Time	1 Hour	2 Hours	4 Hours	8 Hours	24 Hours	7 Days
Uncoated	60	200	267	300	340	420
1 coat CONSEAL GREENCRETE	3.23	3.5	4.2	6.1	9.15	14.2

### CONSEAL GREENCRETE - Specification

Type	Low solvent epoxy coating
Mix ratio	See label on tin
Hardener	Xyamin 1055
Resin Density	1.36 kg/litre
Coverage	6-8 sqm per litre, dependant on porosity of the substrate
Finish	Semi-gloss
Solvent	Xysol EP (max 5% by weight) if required, Xysol Safe for cleaning
Colours	Grey
Pack sizes	1, 2.5 and 5 litre
Shelf Life & Storage	12-18 months in original, unopened containers

### CONSEAL GREENCRETE - Pot life and cure times

Temperature °C	5 to 15		15 to 25		25+	
Pot Life	1 Hour 50 Minutes		50 Minutes		35 Minutes	
Touch Dry	10-20 Hours		6-8 Hours		4-5 Hours	
Overcoating Time	Min	Max	Min	Max	Min	Max
	12 Hours	3 Days	7 Hours	2 Days	3 Hours	1 Days

Please visit our web site at [xymertec.com](http://xymertec.com) for details of our other products. They include resins and coatings for marine, industrial and flooring

#### COVERAGE

It is the applicators responsibility to ensure that the correct coverage is achieved.

We recommend that the area that should be covered by one pack of coating is marked out. Adjust the application rate to ensure that the marked area is covered by the entire contents of a pack. Porous or rough substrates will require more product than regular substrates.

#### HEALTH & SAFETY

Please see the Safety Data Sheet for full information. All users should ensure appropriate protective measures are adhered to when applying our products.

#### DISCLAIMER

Customers are advised to thoroughly read and adhere to the instructions provided to ensure the products' optimum finish and performance. All information is based on results gained from experience and tests and is believed to be accurate but is given without acceptance of liability for loss or damage attributable to reliance thereon as conditions of use lie outside our control. Any deviation by the user to these instructions may affect the products performance and is therefore not advised. In this circumstance, Xymertec Limited will not be held responsible and will be unable to offer any product replacement. Users should always carry out sufficient tests to establish the suitability of any products for their intended applications.

We aim to ensure consistency of colour in production (where applicable), however slight variations in shade may occur from batch to batch.