

Technical Data Sheet

PROMOTOR | HARDENER -Addition Ratios

DESCRIPTION:

The resins for some allnex Resin Flooring & Protective Lining Systems are required to be Promoted prior to the addition of the Hardener. These Systems are as follows:

| Product | Promotor (Cobalt) Addition Rates | Hardener Type | Hardener Addition Rates |
|-----------------------------|----------------------------------|--------------------------------|----------------------------|
| Architectural Terrazzite ZV | 60 grams per 20kg | Surechem VE Hardener - M100 | 1.5 - 2.5% by resin weight |

| Product | Promotor (Cobalt) Addition Rates | Hardener Type | Hardener Addition Rates |
|------------------------|----------------------------------|--------------------------------|----------------------------|
| Intafloor ZV - Primer | 200 grams per 20kg | Surechem VE Hardener - M100 | 1.5 - 2.5% by resin weight |
| Intafloor ZV - Resin | 100 grams per 20kg | | |
| Intafloor ZV - Topcoat | 200 grams per 20kg | | |

| Product | Promotor (Cobalt) Addition Rates | Hardener Type | Hardener Addition Rates |
|-----------------------|----------------------------------|--------------------------------|----------------------------|
| Surechem VE - Resin | 0.3% ~ 60 grams per 20kg | Surechem VE Hardener - M100 | 1.5 - 2.5% by resin weight |
| Surechem VE - Topcoat | 0.3% ~ 30 grams per 10kg | | |

| Product | Promotor (Cobalt) Addition Rates | Hardener Type | Hardener Addition Rates |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------|--------------------------------|----------------------------|
| Situclad VE - Resin Situclad VE - Topcoat Use Situclad VE Glass Flake (see below) Or Situclad VE Resin with the addition of: Wax Solution - 2% by resin weight | 0.3% ~ 60 grams per 20kg | Surechem VE Hardener - M100 | 1.5 - 2.5% by resin weight |

| Product | Cobalt Addition Rates | Hardener Type | Hardener Addition Rates |
|-------------------------|---------------------------|--------------------------------|----------------------------|
| Situclad VE Glass Flake | 0.25% ~ 50 grams per 20kg | Surechem VE Hardener - M100 | 1.5 - 2.5% by resin weight |

| Product | Cobalt Addition Rates | Hardener Type | Hardener Addition Rates |
|---------------------------------------------------------------------------------------------------------------|--------------------------|--------------------------------|----------------------------|
| Traxite VE <i>If used as a Topcoat, it requires the addition of: Wax Solution - 2% by resin weight</i> | 0.3% ~ 60 grams per 20kg | Surechem VE Hardener - M100 | 1.5 - 2.5% by resin weight |

MATERIAL & SIZES:

| Product | Size |
|-----------------------------------------|----------|
| Cobalt Octate 6% | 0.9kg |
| Cobalt Octate 6% | 3.6kg |
| Cobalt Octate 6% | 18kg |
| Surechem VE Hardener | 5kg |
| Wax Solution 5% wax in Styrene Solution | 1 litre |
| Wax Solution 5% wax in Styrene Solution | 4 litres |
| Retarder for Polyester and VE Resin | 1kg |

1.0 MATERIAL PRE-PROMOTION & HARDENER ADDITION GUIDANCE

The Resin Materials listed above must be Pre-Promoted with Cobalt solution prior to use.

- 1.1 New Pails are marked as un-promoted.
- 1.2 allnex supply the materials in pails with open top lids, thus enabling the Cobalt to be mechanically mixed into the resin base

Note

Use a separate Hardener dispenser and mark it for Cobalt use only.

The cobalt can be added up to 12 hours prior to use.

Always add Cobalt first, mix and use as required.

Never Mix Cobalt and Hardener
Pre- Train StaffThe lids are marked as un-promoted, Once promoted re label, tick or mark

- 1.3 Good Trade Practice
Mix the cobalt into the resin in a separate operation on the same day as use, away from the work area. Then take the promoted material to the workface for hardener addition.

Check the Cobalt's age and stability by doing a TRIAL prior to work start.

Promote the Resins at the correct level, then add a 1.5% catalyst to check that the reaction starts.

Even if high catalyst levels are added, un-promoted resins will not cure.

This trial can also be used if confusion occurs about Cobalt addition.

- 1.4 Be well organised and train staff clearly in the promotion and catalysation process - Mistakes are costly

1.5 Promotor (Cobalt) Addition

****Additions as listed in the Resin Category above****

1.6 Hardener Addition

Hardener

Surechem VE Hardener | M100

Minimum Hardener (M100) addition is 1.5%
(Non-compliance with this will result in uncured material and system failure)

2.0 RETARDER:

Where extended working time is required allnex VE Retarder may be incorporated in the resin prior to the addition of catalyst. There are Maximum recommended addition rates. Refer: allnex Construction products for advice.

Date: August 2021

Replaces: August 2020

Allnex Construction Products, a Division of Allnex New Zealand Ltd

Auckland - 14 Industry Road, Penrose, phone: 09-583-6544.

Hamilton - 18 Somerset Street, Frankton, phone: 07-847-8658.

Wellington - Unit 9A, 4 Glover Street, Ngauranga Gorge, phone: 04-240-0305.

Christchurch - 112 Carlyle Street, Sydenham, phone: 03-366-6802.

Customer Service: 0508-882-288 cs.constructionnz@allnex.com

www.allnexconstruction.com

allnex

DISCLAIMER: This information appearing in this Document (Details) concerning the product which is the subject of the Document (Product) is either based on present technical knowledge and tests done by allnex or tests done by, and data supplied from third parties including you, the customer. Since the actual use by you and by others of the Product is beyond the control of allnex, no warranty or representation, express or implied is made by allnex regarding the suitability for such use, nor does allnex accept any liability arising out of the use by you of other products or materials, whether third party or not, that may be referred to in this Document. allnex recommends that you carry out your own tests as to the suitability of the Product for your purpose, regarding which you accept full responsibility. In addition, if any of the Details appearing in the Document are based upon tests done by, and/or data supplied by any third party, allnex provides no warranties or representations in connection with those Details and you, the customer waives any right you may have against allnex in connection with the accuracy, completeness or otherwise of the Details. The information in this Document is not to be construed as absolutely complete or accurate since additional information may be necessary or desirable when particular or exceptional conditions or circumstances exist or because of applicable laws or government regulations affecting use of the Product. allnex does not provide any warranty or representation to you that the Product does not infringe the intellectual property rights of any third party. All orders accepted shall be subject to the standard conditions of sale of allnex which are on the back of our invoice. In accepting the Product, you, the customer acknowledge and agree: **a.)** The Product is or may be of a hazardous nature and that you, the customer, are responsible for the disposal of the container housing the Product in accordance with the requirements and regulations of the relevant supervising government. **b.)** The Product has a limited shelf life and must be stored strictly in accordance with the guidelines and specifications related to it. **c.)** Where the Details relate to Product tested by allnex, those Details are indicative only, regarding which there may be batch to batch variation. **d.)** allnex gives no warranty or representation as to the applicability for the particular use by you, the customer, of the Product and you the customer shall be responsible for ensuring that the Product is fit for your intended use. **e.)** allnex's liability for breach of any term, condition, guarantee or warranty (express or implied and concerning the information in this Document or the Product more generally) including any liability for direct or indirect consequential loss (including indirect loss of profits), is limited to the maximum extent permitted by law and, at allnex's election, to either replacing or repairing the goods or paying the cost of replacing or repairing the goods, or in the case of services, supplying the services again.