

**Premium Cementitious Self Levelling Compound**

**Description**

**V Bond SL 40** is a high quality, cementitious self levelling compound used for levelling of floors before applying any modern flooring system, thus avoiding any surface irregularities.

**V Bond SL 40** is a blend of specially selected cements, graded aggregates, polymers, plasticizers and a set of control additives to produce a smooth free flowing and self levelling material which can be laid to a feather edge.

**V Bond SL 40** has the following advantages:

- Specially developed for Middle East climatic conditions
- Fluid consistency ensures that the product levels out to a smooth even surface upon pouring
- Can be used directly on concrete floors to provide a smooth leveled surface without the use of screed
- Polymer modified formulation ensures excellent adhesion to prepared substrates
- One pack product, which is simply mixed with water on site
- Quick easy laying and fast hardening
- Premixed to avoid site-mixing errors
- Self-levelling and smoothing

**Recommended Applications**

**V Bond SL 40** provides a self-levelling, cementitious underlay for a wide variety of floor finishes which require a smooth level substrate, such as:

- Carpeting
- Vinyl sheeting
- Linoleum flooring
- Rubber sheets

**Supply**

25 Kg: Powder Component Paper Bag

**Application**

Surface Preparation: It is vital that the surface must be cleaned thoroughly of all contaminants which may affect the bonding. Surface must be free from oil, grease, paints, dirt, dust, loose particles, etc.

This can be done by grit blasting or mechanical grinding of the concrete floor, lightly. After cleaning, remove any leftover debris.

New concrete surfaces should be cured at least 21 days prior to application.

Large cracks and holes may be filled with a suitable repair mortar prior to the application, to ensure a good bond. **EniPoxy EF 42** (epoxy resin-based repair putty and mortar) can be used to repair minor imperfections, cracks and blow holes.

Priming: Prior to application, substrates must be primed/sealed using **V BOND P120** dispersion primer.

Mixing: **V Bond SL 40** should be mixed with a heavy-duty drill fitted with a purpose made paddle. Each 25 kg bag of **V Bond SL 40** requires the addition of 5.5 -6.5 litres of water to produce a free-flowing self-levelling consistency.

Application: Pour the mixed material onto the primed substrate, spread with a trowel or squeegee and allow to self-level. The material must then be rolled with a spike roller to achieve air release and final levelling. Rolling must be done immediately after placing the material. Do not attempt to float the setting surface.

The required thickness must be achieved in one application. Also, the best results are achieved when the pouring and levelling is a continuous process until the designated area is completed. Good site organization is essential.

Coverage: Approximately 2 kg/m<sup>2</sup> @ 1mm thickness. Coverage may vary depending on the profile of the substrate.

Precaution: Application should not commence if the temperature of the substrate is below 5°C.

Freshly laid **V Bond SL 40** should be protected from direct sunlight and/or strong drying winds until the material is hard (minimum of 24 hours).

**Note:** **V Bond SL 40** can be applied up to 6 mm thickness at the normal conditions. As per the site condition and requirement **V Bond SL 40** can be modified to apply up to 25 mm thickness.

**Curing:** Curing is generally not required. However, under harsh conditions such as high ambient temperatures, drying winds etc., freshly hardened surfaces should be cured for two days with wet hessian completely covered with a polythene sheet.

**Cleaning:** All tools and equipment should be cleaned with water.

**Shelf Life**

The shelf life is 6 months from the date of manufacturing when stored as per recommendation and in un-opened original container at below 30°C.

**Storage**

The material in unopened condition shall be stored on pallets in a cool and shaded area and should be protected from extreme climatic conditions which may result in premature deterioration of the product. Store under cover, away from direct sunlight and protect from extreme temperatures. In hot temperature conditions, it must be stored in a temperature-controlled environment at less than 30°C.

**Health & Safety**

As with all construction chemical products caution should always be exercised. Avoid inhalation of dust during mixing. Protective clothing such as gloves, goggles and dust masks should be worn. Treat any splashes to skin or eyes with fresh water immediately. Should any of the products be accidentally swallowed, do not induce vomiting but call for medical assistance immediately.

**Disclaimer**

Application of the product should be done according to the procedure mentioned in this leaflet. XCHEM INTERNATIONAL LLC will not be held responsible for any claim arising out of non-performance of the product due to incorrect application procedure or usage of product for non-recommended purpose.

**Technical Specifications**

PROPERTIES	VALUES
Appearance	Free Flowing Powder
Color	Grey
Flow (BS 890)	220-250
Fresh Wet Density (kg/L)	2.05 ± 1
Minimum Application Temperature	5°C
Maximum Application Temperature	35°C
Thickness in one pass	Min. 3mm Max. 6mm
Open Time @ 23°C	25 Minutes
Light Traffic @ 30°C	24 Hours
Compressive strength @ 28 Days	>25 N/mm <sup>2</sup>
Flexural strength @ 28 Days	>4 N/mm <sup>2</sup>
Tensile strength @ 28 Days	>2 N/mm <sup>2</sup>
Bond strength @ 28 Days	>1 N/mm <sup>2</sup>
Impact Resistance	0.6 Kg/m <sup>2</sup>
Moisture Content: Up to 8mm 8-15mm	<5% @ 24 Hours <5% @ 48 Hours

**For professional use only. Keep out of reach of children.**

Due to continuous product improvements, the data mentioned in the TDS is subject to change without prior intimation. All recommendations and suggestions are therefore made without guarantee. Samples will be provided on request to enable customers to satisfy themselves as to the suitability of the product for any specific purpose and to assess the product under their own working conditions. The application, use and processing of our products and the products manufactured by you on the basis of our technical advice are beyond our control and, therefore, entirely your own responsibility.