



JENFLOW SYSTEMS  
— EPOXY PLUS —

# **Jen-Crete**

## **Self Smoothing Compound**

### **Product Data Sheet**

## Description

**Jen-Crete SL is a fast drying, self-smoothing, protein free smoothing underlayment suitable for use in light to heavy-duty areas for preparing sound absorbent and non-absorbent subfloors prior to the installation of new floorcoverings.**

**It is suitable for use over a wide range of absorbent and non-absorbent subfloors including sand/cement screed, concrete, synthetic anhydrite, minimal adhesive residues, sound asphalt, granolithic, terrazzo, ceramic and quarry tiles and epoxy / polyurethane coatings.**

## Technical Data

<b>Working Time @ 20°C</b>	<b>Approximately 20-30 minutes</b>		
<b>Walk on hardness time @ 20°C</b>	<b>Approximately 90 minutes</b>		
<b>Application thickness</b>			
• Unfilled	<b>From 3-15 mm</b>		
• Filled	<b>Up to 20 mm</b>		
<b>Coverage per unit</b>	<b>Approximately 5.0m<sup>2</sup> at 3mm thick</b>		
<b>Product Strength</b>	<b>1 day</b>	<b>7 days</b>	<b>28 days</b>
• Compressive Strength N/mm <sup>2</sup>	<b>&gt;20</b>	<b>&gt;25</b>	<b>&gt;35</b>
• Flexural Strength N/mm <sup>2</sup>	<b>&gt;3</b>	<b>&gt;5</b>	<b>&gt;6</b>

## Mixing Guidelines

**Add 5.5 litres of clean water into a mixing bucket and gradually add all the powder whilst stirring with a power whisk fitted in an electric drill until a smooth, creamy, lump free consistency is achieved. The material should be mixed for a minimum of 2 minutes.**

**Filled mix: For application above 15mm, it is recommended to add 12.5kg of dried pea gravel to the prepared standard mix. It is advisable to reduce the level of water by approximately 0.25 to 0.5 litres to prevent separation of the mix.**

## Substrate Preparation

**Floor surfaces must be suitably prepared: sound, dry <75%RH (<65% for wood floor coverings and incorporate an effective damp proof membrane) and free from contaminants that may prevent adhesion. Use an alkaline cleaner to remove grease, oil, polish, soap etc. from non-absorbent substrates.**

**Concrete and sand/cement screeds must be fully cured and any laitance or surface treatments must be removed. The temperature of the floor must be maintained above 5°C throughout the application and drying of the underlayment. Underfloor heating must be off for at least 48 hours before and after application.**

### **PRIMING**

**Absorbent surfaces - Prime with a suitable primer to prevent rapid drying of the underlayment and promote adhesion.**

**For anhydrite screeds refer to our Technical Support Team.**

**Non-absorbent surfaces – such as sound asphalt, minimal adhesive residues, terrazzo, epoxy and polyurethane coatings should be primed with a suitable primer to ensure that good adhesion is obtained between the underlayment and substrate.**

**Primers should be used in accordance with instructions printed on the bottle and must be allowed to dry before applying the levelling compound.**

## Important Information

**Do not exceed 5.75 litres of water per 25kg bag.**

**Do not mix more material than can be applied during the working time.**

**Do not add extra water to the mixed material once it has started to set. Material should be discarded.**

**STORAGE - Store between 5°C and 30°C.**

**SHELF LIFE - 6 months in unopened bags and stored under good conditions.**

**Dampness will reduce the shelf life and may cause the powder to set in the sack**

## Application Guidelines

**Pour the mixed material onto the prepared subfloor and allow to flow and attain a smooth finish.**

**Minimal work with a smoothing trowel is required. The use of a spiked roller will help eliminate entrapped air and smooth out flow lines to give a more uniform surface appearance.**

**The mixed material should be applied at a thickness between 3mm to 15mm, but can be taken down to feathered edge if required.**

**For best results, an overall thickness of at least 3mm should be maintained.**

**The material is self-smoothing, but should any imperfections remain they can be removed by rubbing with a carborundum stone when the underlayment will accept foot traffic - typically 1½ hours after application at 20°C.**

**This time will be extended with reduced temperatures i.e. approximately 3 hours at 10°C.**

### **DRYING**

**Drying is dependent on the absorbency of the subfloor, ambient temperature and humidity.**

**On absorbent surfaces, at a nominal 3mm thickness, the compound will be ready to receive resilient floor coverings after 6 hours and wood floor coverings after 24 hours.**

**For greater thicknesses and for application onto non-absorbent surfaces, we would recommend that resilient and wood floor coverings are installed after 24 hours.**

## Health & Safety

**Reference should be made to the appropriate SDS for this product.**

**The use of appropriate personal protection equipment (PPE) is recommended**

**This product is intended for professional use only.**