

## Industry Sub-Zero HD system



### Description

Contar Industry Sub-Zero HD is an ideal material for patching damaged concrete surfaces at sub-zero temperatures and when combined with selected aggregates and proper preparation, is capable of filling large cracks and depressions in severely damaged concrete. Contar Industry Sub-Zero HD can be applied internally & externally to any thickness required from a minimum of 12.5mm up to 300mm. Contar Industry Sub-Zero HD may be used to create ramps & falls and levelling compound prior to the application of other Contar flooring systems. Contar Industry Sub-Zero HD can be laid as a surface screeding material over concrete surfaces to improve load bearing characteristics of most cold store floors. The material is also ideal for use in areas where high resistance to chemicals is required. Contar Industry Sub-Zero HD may be used as a large crack filler material within concrete floors damaged by heavy plant or vehicular traffic. Contar Industry Sub-Zero HD is widely used in commercial & industrial cold storage warehousing.

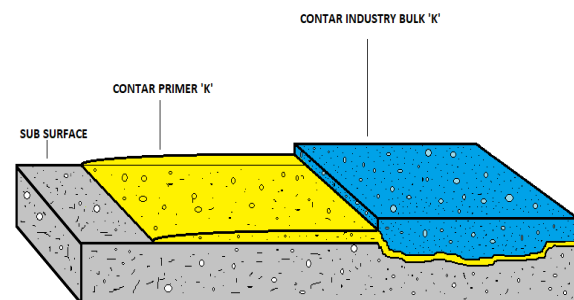
### System Features & Benefits

- **Ultra-fast cure time – as little as 40 minutes**  
*Minimising disruption enabling rapid refurbishment*
- **Easy DIY application possible**  
*Cost effective*
- **Exceptional strength (75kN/mm<sup>2</sup>) & durability**
- **Designed for heavy load bearing requirements**  
*Ultra-high strength*
- **Excellent resistance to chemicals & dusting**  
*Durable and 'fit for purpose'*
- **Installation temperature range 0°C to -30°C**  
*Curing times are unaffected at temperatures below 0°C*

### Installation Services

The installation should only be carried out by a Contar approved contractor with the documented quality assurance scheme. Contact Contar Resins Ltd for details.

### System Design



### Substrate Requirement

Substrate must be clean, dry & free from laitance, dust and other contaminations. Substrate should be capable of accepting a resin finish and is best achieved by mechanical means. Always use the correct Contar substrate primer ensuring any edges are primed prior to installing the Contar Industry system. Contact Contar Resins Ltd for details and technical advice.

### Model Specification

**Product:** Contar Industry Sub-Zero HD

**Overall thickness:** 12.5mm min upwards

**Colour:** Silver Grey (RAL 7001)

**Manufacturer:** Contar Resins Ltd

*(Preparatory work and application in accordance with the manufacturer's instructions)*

### System Overview

Contar Primer

Contar Industry Resin

Contar Industry 'K' Powder

### Chemical resistance

Excellent resistance to acids, oils, alkalines, salts, cleaning agents and foodstuffs

## **Technical Information**

Flexural Strength	24kN/mm <sup>2</sup>
Compressive Strength	75kN/mm <sup>2</sup>
Flexural Tensile Strength	27.5kN/mm <sup>2</sup>
Tensile Strength	7.8kN/mm <sup>2</sup>
Beginning deformation under pressure	26kN/mm <sup>2</sup>
Break elongation	0.56%
Elongation between 0°C & +50°C	-3.3 x 10 <sup>-5</sup> per °C

### **Speed of cure**

Pot Life 10-15 mins\*

*\*Pot life & curing times will be dependent on substrate and air temperature.*

Pedestrian traffic-40 minutes\*\*

Finish curing to full specification-2 hour\*\*

*\*\*depending on thickness*

*Materials can be stored unopened for up to 6 months in dry, cool conditions.*

***Caution**-Contar materials have a characteristic odour during application which is nontoxic and non-injurious to health. Ensure all open food is covered and adequate ventilation is available. See material safety data sheet for full information or contact Contar technical dept.*

### **Mixing & Application**

Refer to Contar Resins Ltd installation guide

#### **Note:**

*Contar Resins Ltd endeavors to ensure that all information and advice given is accurate and correct. However, the company cannot take responsibility for the selection of products for specific applications. Therefore, any prospective customers should satisfy themselves that the product is suitable for the environment in which it will be installed. Accordingly, Contar cannot take responsibility for the selection of a product unsuitable for the application. The information detailed in this communication is liable to change without prior notification. All resin floors are hand applied resulting in a surface texture that can vary.*