

## TECHNICAL DATA SHEET

### CONFIX HV

#### Non-sag High Viscosity Epoxy Bonding Agent for Old to New Concrete

#### PRODUCT DESCRIPTION:

CONFIX HV is a high-viscous epoxy adhesive designed for vertical application between old to new concrete, which sets permanently upon curing.

#### CUSTOMER BENEFITS

- Cures even in damp or dry conditions.
- Does not slump when applied on vertical or sloping surfaces, up to 1/8" thick films.
- When cured, it exhibits a tough, hard, durable bond between concrete and wood, metal, masonry, or asbestos.

#### TYPICAL USES

- To bond old concrete to freshly poured concrete topping, thus eliminating "cold joints" between old and new concrete.
- To replace cement in bonding pre-cast, concrete structural units such as concrete decors under damp or dry conditions.
- To bond wood or metal to concrete surfaces such as anchoring machinery to a concrete floor.
- To anchor and grout concrete or ceramic floor tiles over cement, wood, or steel.
- To patch spalled and damaged areas in concrete structures.

#### INSTRUCTION FOR USE

##### SURFACE PREPARATION

Concrete surfaces must be free of dirt, paint, oil grease, loose materials, and other contaminants. On oil surfaces, washing with soap and water, or acid etching (10% muriatic acid or hydrochloric acid) is recommended.

##### MIXING

Mix equal volumes of Part A and Part B. Blend well until a uniform color is obtained. To avoid wastage, prepare only the amount consumable within one (1) hour.

##### APPLICATION

After thorough blending of the mixture has been done, apply the adhesive on both surfaces to be bonded by a spatula, trowel, or putty knife. In bonding old to new concrete, coat old concrete with CONFIX HV and pour fresh concrete immediately over the epoxy tack coat.

For an effective bond, applied epoxy should be very tacky before pouring the fresh concrete mixture, having minimal water content, such as a slump of two (2) inches.

#### CLEANING

CONFIX HV can be removed in its uncured state through the use of solvents or thinners.

#### TECHNICAL DATA

##### PHYSICAL PROPERTIES: UNCURED STATE

<b>Color:</b>	<b>Part A</b>	Gray
	<b>Part B</b>	Beige
<b>Consistency</b>	Thixotropic paste	
<b>Solid Content</b>	100 %	
<b>Mixing Ratio (A:B)</b>	1:1 by volume	
<b>Pot Life @ 25°C</b>	90-120 minutes	
<b>Curing Time (Initial)</b>	6 – 8 hours	
<b>Tack Free Time</b>	4 – 6 hours	

##### PHYSICAL PROPERTIES: CURED STATE

Parameters	Results	Remarks
<b>Tensile Strength</b>	3,000 ± 500psi	ASTM 638
<b>Flexural Strength</b>	7,000 ± 500psi	ASTM D79
<b>Compressive Strength</b>	8,500 ± 500psi	ASTM D695
<b>Hardness</b>	80-90	Shore D
<b>Shrinkage</b>	negligible	

#### COVERAGE

Recommend coverage:

1 gallon set : 10m<sup>2</sup> at 1mm thickness

**Note:** The coverage rates provided above are for guidance purposes only. Actual usage may vary depending on the specific substrate conditions and application methods.

#### STORAGE AND HANDLING

CONFIX HV has a shelf life of 36 months if maintained in dry storage conditions in unopened containers.

#### PACKAGING

CONFIX HV is available in an 11kg/gallon set and a 1.75kg/quart set

## TECHNICAL DATA SHEET

### **CONFIX HV**

#### ***Non-sag High Viscosity Epoxy Bonding Agent for Old to New Concrete***

#### **PRECAUTIONS**

##### **HEALTH AND SAFETY**

In case of skin contact, wash thoroughly with soap and water. If contact with eyes occurs, flush thoroughly with clean water and seek medical attention immediately.

**CONFIX HV** is flammable.

Refer to the latest Safety Data Sheet (SDS) for comprehensive safety information on the proper handling of this product.

##### **WARRANTY AND DISCLAIMERS**

*The information provided in this technical data sheet is based on our best knowledge and testing methods. Any product use outside of specifications or improper storage or installation voids any warranty. Users are encouraged to conduct their own testing to assess product suitability. Always consult the product's safety data sheet (SDS) for safety guidelines and follow recommended precautions. We reserve the right to update this data sheet without notice, and users should ensure they have the latest information.*