

TECHNICAL DATA SHEET
CONFIX HV
Concrete Bonding Agent

PRODUCT DESCRIPTION

CONFIX BOND HV is an adhesive designed for concrete which set permanently upon curing and has the following advantages:

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

TYPICAL USES

As an Epoxy Adhesive:

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

As an Epoxy Mortar:

1. To patch spalled and damaged areas in concrete structures.
2. To use as a tack coat or primer before pouring fresh concrete topping when bringing low areas to proper grade.

TECHNICAL DATA

Table 1: Physical Properties of Uncured State

Parameters	Results
Color:	Part A Gray
	Part B Beige
Consistency	Thixotropic paste
Solid Content	100 %
Mixing Ratio (A:B)	1:1 by volume
Pot Life @ 25°C	90-120 minutes
Curing Time (Initial)	6 – 8 hours
Tack Free Time	4 – 6 hours
Shelf Life	18 months
Coverage	1 gallon-set will yield 6,600 cc depending on surface roughness and porosity.

Table 2: Physical Properties: CURED STATE

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

INSTRUCTION FOR USE

SURFACE PREPARATION:

Concrete surface must be free of dirt, paint, oil grease, loose materials and other contaminants. On oil surfaces, wash 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 uniform color is obtained. To avoid wastage, prepare only the amount consumable within one (1) hour.

METHOD:

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

HEALTH PRECAUTIONS:

Avoid prolonged or repeated skin contact. 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.

PACKAGING

CONFIX HV is available in gallon can sets.

Important Note:
The information contained in this leaflet is published to the best of our knowledge and is supported by current available data. Hence, subject to the care and method of application, deviations (from published values) in performance may occur. Our guarantee is therefore limited to the quantity of the supplied material.