



CONCREX ACID STRENGTH

DESCRIPTION AND USES

Stands up to acid spills even against 95% sulphuric acid

PRODUCTS

A920045 - Concrex Acid Strength (WT5000021N1WA Base/Resin / WT25C04501 Act.)

COMPANION PRODUCTS

- J510010 - Mix & Apply Trowel
- J510009 - 10" Finishing Trowel
- A060006 - Tack Coat (screeding primer)

PACKAGING

22 lbs

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PRIMING

A primer is not usually required if patch or crack repairing. Watco Tack Coat adhesive primer is recommended when applying Concrex[®] Acid Strength as a thin section screed or when applying to smooth, non-porous or metal surfaces.

SURFACE PREPARATION

Surfaces should be clean, dry and free of all loose material. Wire brushing or sweeping is generally sufficient. Watco Bio-D degreaser can be used to remove grease and oil. If the surface is damp, it can be primed with Watco Tack Coat.

MIXING

Each pack of Concrex[®] Acid Strength contains aggregate pre-blended with resin and the curing agent. If the entire pack of Concrex Acid Strength cannot be used within 30-60 minutes the products can be part mixed. To split a pack, carefully halve the aggregate/resin mix (ideally divide it by weight) and use half the number of curing agent bottles or cans. Do not split the contents of a curing agent bottle or can. Do not mix inside the plastic bucket. Wear protective gloves. Tip the aggregate on to a mixing tray or board. Shake the bottles or can of curing agent thoroughly until the liquid is a uniform color. Form the aggregate into a mound and leave a small hole in the middle. Empty the curing agent into the hole, ensuring the bottles or cans are completely drained. Carefully mix the aggregate with the curing agent using a trowel until a smooth mortar is obtained, this will take several minutes. The more thorough the mixing, the 'wetter', smoother and more manageable the mix becomes. Alternatively, you can knead the mixture by hand, but you must wear suitable gloves. It is important to mix thoroughly until you achieve a consistent color. Machinery such as a 'Cretangle' mixer or suitable open pan mixer can be used to ensure thorough mixing of large quantities. Once mixed, the product is trowelled firmly against the surface to be repaired and finished with a steel trowel or float.

WORKING LIFE

30-60 minutes depending on temperature. If Concrex Acid Strength is used past its working life, trowelling will become difficult and adhesion will be reduced

APPLICATION

Trowel firmly against the surface to be repaired, and finish with a trowel or float. To prevent 'drag' on the trowel, moisten a rag with mineral spirit and wipe it across the blade which will allow you to create a smooth finish. Concrex Acid Strength is normally applied in thicknesses of 1/4 - 2 inches, but repairs can be featheredged for a neat finish, as long as the majority of the repair is at least 1/4 inch thick. For repairs deeper than 2 inches, apply in separate layers (allow 6-8 hours between layers for curing). There is no need to re-apply Watco Tack Coat if building up in layers.

CURING TIME

Light traffic in 8 hours at 60°F, 6 hours at 70°F and heavy traffic in at least 16 hours at 60-70°F. Full chemical resistance reached in 7 days.

COVERAGE

Approx. 13 ft² per 22lbs and 32 ft² per 55lbs at 13/64 inches thick.

CLEAN UP

Equipment used for mixing and applying Concrex Acid Strength should be wiped clean with mineral spirit or a similar solvent before the Concrex Acid Strength cures.

SAFETY

Avoid contact with the skin. Barrier creams or gloves are recommended. Cleansing creams should be used after accidental contact with the skin and/or washing with plenty of soap and hot water. Accidental contact with the eyes should be treated by flushing with water for 15 minutes and medical advice sought. A detailed Material Safety Data Sheet is available.

IMPORTANT

Food products must be removed from the area during application and cure. **See technical data sheet for additional product and application information. FOR PROFESSIONAL USE ONLY.**

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PHYSICAL PROPERTIES

VOLATILE ORGANIC COMPOUNDS	<50 g/l
PRACTICAL COVERAGE	Approximately 13 ft ² per 22lbs at 5mm (3/16 inches) thick.
CURING TIME	Light traffic in 8 hours at 60°F, 6 hours at 70°F and heavy traffic in at least 16 hours at 60-70°F. Full chemical resistance reached in 7 days.
POT LIFE	30 minutes to 1 Hour depending on temperature.
STORAGE	If stored for long periods the granular resinous material should be thoroughly mixed before adding the curing agent. Concrex Acid Strength should be stored at an ambient temperature above 50°F for approximately 8 hours prior to use.
SHELF LIFE	2 years
FLASHPOINT	>200°F (94°C)

WARNING: FOR INDUSTRIAL AND COMMERCIAL USE ONLY. KEEP OUT OF REACH OF CHILDREN. REFER TO SAFETY DATA SHEET (SDS) AND LABEL FOR ADDITIONAL SAFETY INFORMATION.

CONCREX IS FAR STRONGER THAN CONCRETE. COMPARISON OVER 28 DAYS	TENSILE STRENGTH	Concrex 2234 psi	Concrete 493 psi
	FLEXURAL STRENGTH	Concrex 8108 psi	Concrete 1001 psi
	COMPRESSIVE STRENGTH	Concrex 8006 psi	Concrete 4322 psi