



Quality beyond Innovation

Philippine SkyBird Industrial Corp.

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ULTRABOND PSE

Structural Adhesive, Pile Splicing Epoxy

DESCRIPTION

UltraBond PSE is a fast curing, two components, solvent free, chemical resistant epoxy resin especially formulated for use in rapid setting application is required.

USES

UltraBond PSE is best for splicing, adhesive for anchor bolt, rebar and dowels in concrete.

ADVANTAGES

Fast curing
High strength
Chemical resistant

PERFORMANCE DATA

Compressive strength	: 40 N/mm ² (30 mins.) 50 N/mm ² (45 mins.) 60 N/mm ² (60 mins.) 65 N/mm ² (90 mins.)
Flexural strength	: 30 N/mm ² (90 mins)
Bond strength	: 2.5 N/mm ² (Failure in concrete)

PROPERTIES

Supply form	viscous Liquid
Mix ratio (A:B) by volume	2:1
Color	Grey
Density	1.43+/-0.01 kg/L
Pot life at 25°C	3 mins.

SURFACE PREPARATION

Correct substrate preparation is critical for optimum performance. Surfaces should be structurally sound, clean, and free from loose particles, oil, grease, or any other contaminants. Remove oil grease and wax contaminants by scrubbing with industrial grade detergent or degreasing compounds followed by mechanical cleaning. Cement laitance, loose particles, mold release agent, curing membrane, and other contaminants must be removed from the surface by wet grit blasting, high pressure water jetting or by other effective methods.

MIXING

Mechanical mixing is necessary. A slow speed (600rpm) drill, fitted with a helical or a rod type paddle depending on the filler content, is recommended. Remove the rims from tins to ensure all of each component is used. Stir individually and then pour out the entire contents of Part A and Part B into a clean, dry pail for subsequent mixing. Mix only quantity that can be applied within its pot life. Stir individually and then measure out each component precisely in the proper volumetric ratio. Ensure that the remaining contents of each container are not contaminated.

PLACING

Place the mixed material within its pot life.

Note: Pot life given above is for the mixed resin system.

UltraBond PSE can be applied by brush or roller.

CURING

UltraBond PSE is self-curing. Setting time is about 10 to 15 minutes @ 25°C.

ESTIMATING DATA

The consumption of **UltraBond PSE** depends on the type of application and on the quality of substrate surface.

PACKAGING

UltraBondPSE is available in 5.0 kg set

GENERAL INFORMATION

Shelf Life 12 months from date of manufacture when stored under warehouse conditions in original unopened packing. Extreme temperature/humidity may reduce shelf life.

CLEANING

Clean all equipment and tools with water immediately after use.

HEALTH and SAFETY

Gloves, goggles & suitable mask must be worn.

TECHNICAL SERVICE

Philippine SkyBirdIndustrial Corp. Services are available on request for on-site support to assist in the correct use of its products.