

FEATURES

: TOA 112 Super Bond is a liquid bonding based on a synthetic rubber emulsion used for adding to cement mortar to bond between old and new concrete surfaces.
It is suitable for repairing damaged concrete or levelling the substrate.
and It also has waterproofing properties good adhesion.

USES

: TOA 112 Super Bond uses to increase the qualities of cement mortar such as :

- Concrete repair mortar
- Masonry mortar
- Tile fixing mortar
- Patching mortar
- Floor screeds

ADVANTAGES

: TOA 112 Super Bond provides the following beneficial properties :

- Reduced shrinkage and cracks
- Special chemical agent for strengthening adhesion of old and new concrete.
- Increased chemical resistance
- Excellent water resistance
- Increased abrasion resistance
- Non-Toxic, No Mercury and Lead

TECHNICAL INFORMATION

Color	: White milky liquid
Specific Gravity @ 25 °C	: 1.00 - 1.02
pH @ 25 °C	: 7.5 - 9.5
Viscosity @ 25 °C (Spindle # 1, speed 100)	: 20.00 - 40.00 Cps.
Water Absorption : BS 1881 : Part 5	: 1.36 %
Chemical Resistance	
10% HCl Solution	: 6.89 % (Mortar with TOA 112 Super Bond) : 28.48 % (Mortar without TOA 112 Super Bond)
10% CH ₃ COOH Solution	: 3.67 % (Mortar with TOA 112 Super Bond) : 3.97 % (Mortar without TOA 112 Super Bond)

APPLICATION SYSTEM

Surface Preparation :

- Substrate must be sound, free of loose or weak particles, dust and dirt. Oil and wax containing layers, as well as laitance must be completely removed. The substrate must be thoroughly wetted down prior to the mortar application. In case of mold and algae, brush and clean with TOA 113 Microkill.

Usage Direction :

- Mix TOA 112 Super Bond with clean water at the ratio 1:1 to 1:2 (TOA 112 Super Bond : Water) to be used as bonding agent for concrete repair or waterproofing.

1. Bonding old and new concrete and tiles laying

Usage	TOA 112 Super Bond	Water	Cement	Sand
Bonding old and new concrete	0.22 L	0.22 L	1.0 kg.	1.0 kg.
Tiles laying	0.20 L	0.20 L	1.0 kg.	2.0 kg.

Usage amount : As specified in the table above is for the area of 1 sq.meter per 1 mm. thickness.

2. Repairing or smoothing surface or waterproofing

Usage	TOA 112 Super Bond	Water	Cement	Sand
Concrete Repair	1.20 L	1.20 L	6.0 kg.	12.0 kg.
Waterproofing	0.80 L	1.60 L	6.0 kg.	12.0 kg.

Usage amount : For the area of 1 sq.meter, plaster each layer roughly 10 mm. thick.

Recommendation :

- Do not use TOA 112 Super Bond and water as a bonding coat without adding cement and sand.
- The surface must be wet but not flooded prior to plastering.
- When the plastering is completed, proper curing method is needed.
- Multi-lay works always wet on wet.
- Wash all tools immediately after use with water.

USAGE RATE

: Mix TOA 112 Super Bond with clean water at the ratio 1:1 to 1:2 (TOA 112 Super Bond : Water) to be used as bonding agent for concrete repair or waterproofing.

HANDLING AND STORAGE

Storage

- Keep all containers well closed.
- Keep in a dry cool place.

Shelf life

: 12 months in original packing.

PACKAGING

: 1 L, 5 L, 25 L container

HEALTH AND SAFETY

: Please observe the precautionary notices displayed on the container. Use under well ventilated conditions. Do not breathe or inhale mist. Avoid skin contact. Spillage on the skin should immediately be removed with suitable cleanser, soap and water. Eyes should be well flushed with water and medical attention sought immediately.

: For detailed information on the health and safety hazards and precautions for use of this product, we refer to the Material Safety Data Sheet.

DISCLAIMER

: This information in this data sheet is given to the best of our knowledge based on laboratory testing and practical experience. However, as the product is often used under conditions beyond our control, we cannot guarantee anything only the quality of the product itself. We reserve the right to change the given data without notice.