

# The Advanced Material

## The Significant Differences...

### PRODUCT DATA SHEET

Rev. 1/04.04

## ENVIROSHIELD 602 AC

(Previously called PLC 602 AC)

### ELASTOMERIC WALL COATING

#### DESCRIPTION

**ENVIROSHIELD 602 AC** is an elastomeric acrylic wall coating with waterproofing properties suitable for interior and exterior applications. It is formulated using special internal plasticized acrylic emulsion, which gives very high elongation and excellent to bridge hairline cracks on walls to avoid water seepage as well as growth of micro organisms in the crack. **ENVIROSHIELD 602 AC** has good resistance against fungal and algae growth and very good durability under external weathering. It is also an excellent protective barrier against deterioration of concrete due to carbonation.

#### RECOMMENDED USES

**ENVIROSHIELD 602 AC** is formulated as an external coating for commercial and residential buildings. It is also highly recommended for repainting or upgrading of old buildings where the surface condition is badly deteriorated. It is also the most effective way to prevent seepage of water through porous walls during heavy downpour. For interior applications, **ENVIROSHIELD 602 AC** is suitable for public places like assembly halls, hospitals, schools and shopping mall to provide hygienic and easy clean surface with minimum maintenance.

#### ADVANTAGES

- Excellent alkali, fungal and UV resistance.
- Adhesion - Excellent adhesion over concrete and masonry surfaces.
- Internal plasticized – elongation and flexibility maintained upon ageing.
- Excellent performance on old, painted and new surfaces.
- Can be applied by spray, roller or brush.
- Easy application - simple mixing and application procedures.
- Elastomeric – Bridge hairline cracks.
- Excellent waterproofing properties.

#### PHYSICAL DATA

Finish	: Low Sheen
No. of Components	: One
Recommended Thickness	: 100 microns DFT
Theoretical Coverage	: 4m <sup>2</sup> /litre @ 100 microns DFT
No. of coats recommended	: Two
Elongation at Break	: 250 %
Drying Time	: Touch dry 45 minutes Topcoat 3 hours
Packing Size	: 20 litres
Thinner & Cleaner	: Clean water

#### APPLICATION INSTRUCTIONS

**SURFACE PREPARATION** : Remove oil or grease from surface to be coated with degreaser and high pressure water-jet for concrete surfaces. New concrete shall be allowed to cure for at least 28 days before application of sealer. For painting on old surfaces, loose paint film must be removed by high-pressure water jet. Algae and fungal growth must be completely removed and surfaces treated with biocide solution. For surface cracks that exceed 1mm width, patch the surface with sealant or filler before painting.

**MIXING** : Not required but for materials kept for a long time, light agitation might homogenise the slight separation during the long storage.

**APPLICATION** : **ENVIROSHIELD 602 AC** can be applied by roller, brush or by airless spray. For spray applications, hold gun 2 to 3 feet from the surface and at a right angle to the surface. Make a 50% overlap with each pass of the gun. For brush and roller applications, apply in one direction with overlapping between passes.

**THINNING** : Not recommended but can be thinned up to 10% with clean water for workability if necessary.

**DRYING** : Allow to cure for at least 3 hours before top-coating.

**CLEANING** : Clean all tools and equipment with clean water immediately after use.

**TOP-COAT** : To achieve good colour retention and minimum dirt pickup for external walls, it is recommended to top-coat **ENVIROSHIELD 602 AC** with PLC 604 AC which has better colour retention and better dirt pickup resistance.



**PLC Laboratory Sdn Bhd** (345458-D)

No.8, Jalan TPP 6/13, Taman Perindustrian Puchong, 47100 Puchong, Selangor Darul Ehsan.

Tel : 603-80604584 Fax : 603-80604676 Email : email@plc.com.my Website : www.plc.com.my



(Certificate Number : 601086)