

# ARCHITECTURAL SEALER

Clear film forming elastomeric architectural masonry, architectural concrete, plaster & stone sealer



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## DESCRIPTION:

ARCHITECTURAL SEALER is a clear elastomeric film forming sealer for rendering architectural masonry, architectural concrete, plaster, stone & similar substrates water resistant when used in combination with Cemix CEM PROTECT (a hydrophobic primer). It is also used to seal architectural concrete floors and other similar surfaces. ARCHITECTURAL SEALER is water based making it more environmentally friendly & less toxic than other solvent based sealers. It provides a durable protective clear water-resistant film on the surface whilst still retaining semi-breathable properties. It is available in a clear low-sheen finish.

## TYPICAL APPLICATIONS:

- To repel water & protect architectural masonry walls
- To repel water & protect architectural concrete walls
- To repel water & protect plastered walls
- To protect & seal architectural concrete floors
- To protect, seal & dustproof stone

## ADVANTAGES:

- Clear architectural finish
- Low-sheen finish
- Water resistant
- Elastomeric
- Waterbased
- Durable
- UV resistant
- Semi breathable
- One component
- Can be sprayed & back rolled /brushed for large projects

## FINISH OPTIONS

ARCHITECTURAL SEALER is available in a low sheen finish.

## TECHNICAL DATA:

SG: 1.1

POT APPEARANCE: Milky white semi fluid paste.

APPLICATION TEMP: 7°C to 30° C

## COVERAGE:

Approximately 2.8m<sup>2</sup> per L for 4 coats, depending on surface texture & porosity.

## MINIMUM BUILD:

**Masonry:** 4 to 5 coats

**Concrete, plaster & stone walls:** 2 to 4 coats

**Concrete floors:** 2 coats

## PACKAGING:

ARCHITECTURAL SEALER is supplied in 1L, 4L & 20L Pails.

## STORAGE & SHELF LIFE

ARCHITECTURAL SEALER has a post-production shelf life of 12 months if stored in its original container with lids tightly sealed in a cool place and out of direct sunlight.

## WALL DESIGN & BUILD:

Cracking in architectural masonry & concrete walls will cause water-tightness issues even when the masonry and walls are well sealed.

**Walls:** In order to help prevent cracking, walls should be designed & built as panels, reinforced with suitable steel rebar & separated by control joints.

**Masonry:** Suitable mono-wire in-joint reinforcing must be used as crack control every 2<sup>nd</sup> course in the mortar. Mortar joints should be fully mortared (30mm deep) & tooled with no gaps or cracks. The use of water repellent blocks & Cemix MASONRY MORTAR WATER REPELLANT is recommended.

## SUBSTRATE PREPARATION:

Prior to application of ARCHITECTURAL SEALER, all surfaces should be uncoated & clean. The substrate should be free from all coatings, contaminants, loose particles, oil, dirt, mould, efflorescence, staining, mortar & concrete splashes etc.

**All exterior surfaces & surfaces exposed to rain or water require Cemix CEMPROTECT to be used as a primer at least 24hrs prior to ARCHITECTURAL SEALER application.** Where appropriate, apply CEMPROTECT thoroughly under flashings, under rebates, behind services, into joints & into any voids. CEMPROTECT is not required as a primer on interior surfaces that are not exposed to rain or water.

All masonry & concrete window & door openings along with parapets & wall tops should be coated with Cemix SEALCOAT prior to application.

**Masonry:** Ensure that all mortar joints, cracks, gaps and voids are completely filled with a Cemix approved filler prior to application.

**AGITATION:**

Agitate product thoroughly with a drill and paddle immediately prior to application. Do not dilute product.

**APPLICATION:**

**Masonry:** Apply the 1<sup>st</sup> coat by roller, brush or airless spray generously onto a clean & dry surface. When spraying immediately back-roll or brush the product. If rolling, ensure that the roller does not remove product build. Brush the product thoroughly into any mortar joints & pores. Ensure that the entire surface is well coated with a high build film. Apply the 2<sup>nd</sup>, 3<sup>rd</sup> & 4<sup>th</sup> coats as described above perpendicular to the preceding coat and as soon as the preceding coat is touch dry. Additional coats may be required on very porous surfaces. Protect the sealer from interference for approximately 7 days.

**Concrete & plaster walls:** Apply the 1<sup>st</sup> coat by roller, brush or airless spray generously onto a clean & dry surface. When spraying immediately back-roll or brush the product. If rolling, ensure that the roller does not remove product build. Brush the product thoroughly into any joints & pores. Ensure that the entire surface is well coated with a high build film. Apply the 2<sup>nd</sup> coat as described above perpendicular to the preceding coat and as soon as the preceding coat is touch dry. A 3<sup>rd</sup> & 4<sup>th</sup> coat may be required on very porous surfaces. Protect the sealer from interference for approximately 7 days.

**Concrete Floors:** Apply the 1<sup>st</sup> coat by roller, brush or airless spray generously onto a clean & dry surface. When spraying immediately back-roll or brush the product. If rolling, ensure that the roller does not remove product build. Brush the product thoroughly into any voids & pores. Ensure that the entire surface is well coated with a high build film. Apply the 2<sup>nd</sup> coat as described above perpendicular to the preceding coat and as soon as the preceding coat is touch dry. Protect the sealer from traffic for approximately 7 days.

**Stone:**

Apply the 1<sup>st</sup> coat by roller, brush or airless spray generously onto a clean & dry surface. When spraying immediately back-roll or brush the product. If rolling, ensure that the roller does not remove product build. Brush the product thoroughly into any voids & pores. Ensure that the entire surface is well coated with a high build film. Apply the 2<sup>nd</sup> coat as described above perpendicular to the preceding coat and as soon as the preceding coat is touch dry. A 3<sup>rd</sup> & 4<sup>th</sup> coat may be required on very porous surfaces. Protect the sealer from interference for approximately 7 days

**CLEANING:**

Clean all tools with water immediately after use.

**PRECAUTIONS**

Avoid exposing ARCHITECTURAL SEALER to temperatures above 35°C and direct sunlight during storage. Do not apply ARCHITECTURAL SEALER in temperatures above 30°C

below 7°C, in high humidity or where surface moisture is present.

Only apply ARCHITECTURAL SEALER onto a dry surface & do not expose to rain or moisture until each coat is completely dry.

**Floors:** All film- forming sealers applied in multiple coats will decrease slip resistance, so slip trials are recommended, especially for outdoor or wet areas. Other options include using suitable anti-slip additives or using CEM PROTECT or CEMPROTECT WO instead.

All film- forming sealers can scratch. Take precautions to avoid scratching such as using CEM PROTECT or CEMPROTECT WO. See MAINTENANCE below.

**MAINTENANCE:**

Clean sealed surface as and when required with water & low strength water -based detergent  
Re-apply ARCHITECTURAL SEALER to a clean dry surface every 5 to 10 years, or earlier as circumstances require. Follow any additional maintenance instructions contained in any warranty.

**Scratches:** After cleaning scratches of any contaminants, loose particles, oil, dirt, mould, efflorescence, staining, mortar & concrete splashes etc, paint out scratches by brushing ARCHITECTURAL SEALER into and over the top of scratches.

**SAFETY & ENVIRONMENT:**

Avoid contact with skin & eyes & use suitable protective equipment especially when spraying. Keep out of reach of children. Keep out of sewers and storm water and dispose of any leftovers as trade waste in accordance with local authority guidelines.

**FIRST AID:**

Irrigate eyes & skin with plenty of water & seek medical advice immediately.