



# Plastinex

## Red Label

### POLYMER ADDITIVE

- \*Enhances Bond Strength & Flexibility
- \* Primer For Absorbent Substrates

**Plastinex** is a water based SBR latex additive specifically designed to enhance the bond strength and flexibility of cement based adhesives to non-porous tiles. Plastinex, diluted with water, reduces the porosity of boards & renders and is recommended as a general primer.

#### SUITABLE TILES

- ◆ Natural Stone
- ◆ Monocottura
- ◆ Fully Vitrified
- ◆ Porcelain
- ◆ Glass Mosaics

#### COLOUR

- ◆ White

#### INTERIOR/EXTERIOR

- ◆ Walls & Floors

#### SUITABLE SUBSTRATES

- ◆ Concrete/Cement Render
- ◆ Brickwork/Blockwork
- ◆ Fibre Cement Sheets
- ◆ Plasterboard & Jointing Compounds
- ◆ Thin Section Mortars
- ◆ Thick Bed Mortars

#### PRECAUTIONS

**Plastinex** is unsuitable for:

- ◆ priming MDF board or timber & wax impregnated wood;
- ◆ metal substrates.

#### ADHESIVE MODIFIER

Dilute 1 litre of **Plastinex** with 4 litres of water for approximately every 25kg of adhesive.

#### SUBSTRATE PREPARATION

All substrates to be sealed must be flat and true, free from oil, dirt, grease or any other contaminants. Dilute 1 litre of **Plastinex** with 4 litres of water for sealing or priming applications.

**Concrete** : New concrete must be allowed to cure for 6 weeks and should have a wood float finish. Use **Floor Prep** to acid etch an adhesive key into concrete finished with a steel float.

**Cement Render** : Render to be left with a wood float finish and allowed to cure for 7 days.

**Fibre Cement Sheets** : Joints must be taped with PVC duct tape and all boards fixed according to the manufacturer's instructions.

**Plasterboard** : Plasterboard must be fixed as per manufacturer's instructions. Prime all jointing compounds.



**Mortar Modifier** : For thin section mortars, mix 20 litres of Plastinex with 40kg of cement. For thick bed mortars, mix 20 litres of Plastinex with 40 to 80 kg. of mortar.

#### MIXING & POT LIFE

Add **Plastinex** to clean water at a 1 to 4 ratio. Add the adhesive, cement or mortar and mix to a smooth paste free from lumps by using a drill that has a speed lower than 300 rpm, or mix by hand. Slacken the adhesive or mortar and re-mix after 5 minutes. In mortar, **Plastinex** has a pot life of approximately 3 hours at 23°C and 50% relative humidity.

#### OPEN TIME

**Plastinex** can significantly reduce the open time of adhesives or mortars in hot and dry conditions. The open time of an adhesive or mortar can be shortened to just a few minutes by the action of sun, wind, high temperatures or highly absorbent surfaces. Dampening or priming the substrate prior to tiling prolongs the open time of the adhesive. Tilers need to constantly check that the adhesive has not formed a surface skin and is still fresh to touch. Adhesive with a surface skin must be always removed and discarded.

### **APPLICATION, TOOLS AND ADJUSTABILITY TIME**

Always install the tiles in accordance with AS 3958 1:1991 and ensure the backs of the tiles are free of dust. Spread **Plastinex** modified adhesive evenly across one square metre at a time with a 6mm notched trowel for walls and a 10mm notched trowel for floors. The choice of trowel should be governed by the depth of the knobs, grooves or ridges on the back of each tile and the evenness of the substrate. Lay the tiles with a fair pressure and at right angles to the adhesive notched pattern. The final bed of adhesive should be between 2mm and 4mm. Wall tiles should have a finished joint width of 2mm - 4mm and floor tiles should have a finished joint width of 3mm - 6mm. Tiles can be adjusted for approximately 30 minutes after laying.

**Plastinex** primer or sealer can be applied with a roller or brush. **Plastinex** modified mortars can be finished with a trowel or spirit level.

### **COVERAGE**

1litre of **Plastinex** modifies approximately 25 kg. of adhesive and primes approximately 10 square metres of absorbent substrate.

### **CURE TIME**

**Plastinex** cures in approximately 24 hours at 23° C and 50% relative humidity. High density substrates or tiles and temperatures during installation below 10°C will significantly increase the cure time.

### **CLEAN UP**

Remove excess **Plastinex** from the surrounding surfaces after 10 minutes with water. Tools and hands can be cleaned with water while the modified adhesive or mortar is still wet.

### **JOINT GROUTING**

Depending on environmental conditions, commence grouting after approximately 12 hours. Use **Regular** or **Superior Grout** for grout joints between 3mm to 6mm. **Morgan Slate & Quarry Grout** should be used for joint sizes between 6 - 20mm. Use **Aquapoxy**, a three component anti-acid epoxy grout, if the joints are required to have a good chemical resistance. **Grout Add** may also be mixed with **Regular Grout** to impart extra flexibility, reduce porosity and increase water resistance.

### **JOINT GROUTING PRECAUTIONS**

**DO NOT** use excessive amounts of water during mixing or initial cleaning as this will cause irregular color finishes and also weaken the grout. **DO NOT** mix the grout with an electric drill above 300 RPM as this can entrap air into the mix causing grout to dry soft and powdery or with unsightly pin holes in the surface. **All grouts should be Damp Cured for 48 hours.** Refer to the Australian Standard AS 3958 Part 1 Section 5.7.3.

### **SHELF LIFE**

Twelve months if stored in a dry & elevated position in the original factory sealed packaging.

### **PACKAGING**

**Plastinex** is available in 200L drums or in 20L, 10L, 4L and 1L containers.

### **SPECIFICATION CLAUSE**

The adhesive modifier shall be Morgan **Plastinex** - a high performance tile adhesive modifier.

### **MORGAN QUALITY POLICY STATEMENT**

**Plastinex** is manufactured and distributed to a quality system based on ISO 9001:2000. **Plastinex** is guaranteed for 10 years when installed to the guidelines of AS 3958 Part 1 & 2 and in conjunction with written technical information supplied by **Morgan Ceramic Tile Adhesives**.

### **FREE TECHNICAL ADVICE AND MATERIAL SAFETY DATA SHEETS**

Email: [accounts@morganadhesives.com.au](mailto:accounts@morganadhesives.com.au)

Technical Helpline: 08 9441 6677 (Response within 24hrs)

USER NOTE Although the technical details and recommendations contained in this brochure correspond to the best of our knowledge and experience, all of the above information must, in every case, be taken as merely indicative and subject to confirmation after long term practical applications: for this reason, anyone who intends to use the product must ensure beforehand that it is suitable for the envisaged application: in any case the user is fully responsible for all consequences deriving from the use of the product.