

INSTALLATION PROCEDURES

PRODUCT "SANTEC" MOULDINGS

The following installation summary has been broken down into individual steps in order to provide detailed explanations of each one. On actual site installations these steps will be carried out in unison. Keep in mind your overall objective.

- CONDITIONS:**
- 1- Approved glues, sealants and epoxy resins must be used at all times. These products have been tested and are guaranteed by Polytechnic. Polytechnic reserves the right to add to or delete from the list of products recommended herein for use with "Santec".
 - 2- Climatic conditions can seriously affect your application. Always adhere to a clean dry surface and be sure to seal all edges the same day. You don't know what the weather will be like tomorrow!
 - 3- Although "Santec" is resistant to moisture we still recommend that the sub-structure be waterproofed prior to your installation.

ALL EDGES, JOINTS AND RAW ENDS MUST BE SEALED AS SPECIFIED HEREIN.

TOOLS REQUIRED

- : Tape measure
- : Utility Knife
- : Sharp Handsaw -medium to fine tooth - (For larger jobs
With smaller profiles an electric combination mitre saw may
save time.)
- : Combination Square
- : Pencil
- : 75mm BroadKnife
- : Caulking Gun
- : Chalk line
- : Nails and Screws where necessary
- : Bolster or Chisel where necessary

ADHESIVES

- : CONSTRUCTION ADHESIVE:** There are several on the market but only those recommended as suitable for use with polystyrene should be used. We recommend " ADHESEAL BUILDERS NAILS " "ENERFOAM", "SEAL'N'FLEX" made by "BOSTICK" or VARIOUS EPOXY RESINS compatible with polystyrene. We may recommend different adhesives depending on site conditions and mould sizes.
- : SEALANT:** "BOSTICK SEAL'N'FLEX".
- : JOINING:** "WEST SYSTEM EPOXY"

CUTTING "SANTEC"

Use a combination square and mark surface of moulding to desired length, and then cut to your lines with a sharp handsaw.

INSTALLATION TIPS:

Always measure moulding on the surface being fixed to wall.

On larger MOULDINGS first make a small cut into all faces of the moulding, creating a guide for the saw blade.

Always start from internal mitres, then external mitres, and fill in with straight cuts. This should make it easier to achieve good mitres.

Contact your sales rep. to organize a site measure (manufacturing items to exact sizes will save time on site).

ADHESIVE FIXING TO STRUCTURE

"Santec" moulds can be applied to several external grade materials, i.e. cement based sheeting, rendered block / brick, face brick and concrete panels. We recommend that surfaces be flat sheeted, rather than attempt to adhere direct to stud work or furring channel. **WE DO NOT RECOMMEND FIXING MOULDS OVER PRE-PAINTED SURFACES. GRIND BACK PAINT TO ENSURE ADHESION.**

Ensure surface is clean and dry.

Chalk lines where required.

Apply 20mm dabs of adhesive at approx. 300mm centres, and to ends of each length of moulding.

Firmly press full length of moulding to surface, (do not hit with your fist), ensuring you mark the ends of the length for repositioning.

Ensure that full contact of adhesive is made. Slowly pull moulding away from surface approx. 30mm, and wait approx. 5 or 6 seconds, then quickly jerk moulding from surface. Leave off approx. 4 to 8 minutes, depending on weather conditions. (This procedure is based on using ADHESEAL BUILDERS NAILS and SEAL'N'FLEX) Contact your sales rep or our office if in doubt.

REMEMBER THAT THE " SEAL'N'FLEX" IS YOUR WATERPROOFING SEALANT. THE CONSTRUCTION ADHESIVE WILL HOLD THE "SANTEC" IN POSITION UNTIL THE SEAL'N'FLEX HAS CURED.

INSTALLATION TIPS

To achieve a " flow " for your installation prepare 4 to 5 lengths using the above method, then go back to the first length and start the refit.

When refitting lengths ensure you apply epoxy to all butt ends joints and mitres prior to joining.

SEALING "SANTEC" TO SURFACE

After moulding has been adhered to surface, apply "SEAL'N'FLEX" to all edges, and smooth over with your finger ensuring coverage to both surfaces.

Do not leave gaps when you Seal edges.

Do not apply Seal'n'flex to external faces of butt joints or mitres.

JOINING "SANTEC" MOULDING

Mixing epoxy resin - "WEST SYSTEM" epoxy is a two-part resin applied over butt joints, mitres and raw ends. In a disposable container, mix 5 parts resin to 1 part hardener. Don't mix too much as this product has a short pot life. Then add enough 403 / 411 micro-fibre to the mix to thicken to desirable consistency. The mix should not run or sag when applying over joints.

Apply mix over joint to ensure all gaps are filled.

For larger mouldings exposed to direct sunlight we recommend a second coat of "WEST SYSTEM" be applied over joints. Lightly sand between coats to ensure a smooth finish. Allow 1 hour between coats.

INSTALLATION TIPS

Always clean excess resin from moulding as it will dry very hard and be difficult to sand back.

Joining mouldings is much the same as plastering a cornice joint.

Ensure that moulds with raw ends (cuts made on site) are sealed with west system epoxy.

When you have cut and adhered the moulding to the surface, sealed all edges, and applied West System over joints, the "Santec" moulds are ready for paint.

PAINTING

We recommend that a good quality etch primer be used prior to the application of any of the numerous finish coatings that can be applied to “Santec”. All paint used should be good quality, high impact resistant acrylic external grade. “Santec” has a natural slight “orange skin” texture. It is recommended that when painting, a longhaired coarse roller is used for your finish coats. All exposed surfaces of “Santec” moulds must be painted. You should remember to treat “Santec” like any other quality building product.

STORAGE

“Santec” moulds should be stored in a dry flat area undercover. This area should be free of all solvents.

EXPANSION / CONSTRUCTION JOINTS

We recommend an expansion joint approx. every 5 metres, and at junction of building construction joints. Seal any raw ends of moulding with West System prior to installation. We recommend that expansion joints be 10mm wide “expressed”

Note: Polytechnic International (Australia) recommend filling expansion or construction joints, firstly “closed cell backing rod” to be applied 10mm back from face of mould, then filled with “Bostick seal’n’flex” sealant.

Clean all excess Seal’n’flex from face of moulding.

DO NOT apply West System epoxy to face of expansion joint.

PLEASE NOTE THAT ALL PROJECTS ARE VIEWED ON A SITE SPECIFIC BASIS AND WE ENCOURAGE OUR CLIENTS TO CONTACT OUR TECHNICAL STAFF FOR CLARIFICATION OF SUPPLY AND OR INSTALLATION OF “SANTEC” MOULDINGS AND FEATURE PANELS.