

STEAM SHOWER INSTALLATION INSTRUCTIONS

TERE-STONE® wall panels and shower bases are designed to accommodate steam shower service provided the installation is done in accordance with the following guidelines. Typical steam showers operate with the thermostat set below 110 °F, however the temperature of the raw steam entering the shower is 212° F. You must limit the temperature of the wall panels to a maximum of 150° F. Excessive temperatures will cause high thermal stresses in the panel which may warp or crack the panel.

All wall panels must be installed with generous amounts of 100% silicone sealant and provide a clearance of 1/16" between panels. This is to accommodate the thermal expansion of the panels. A **TERE-STONE**® wall panel measuring 72" at 60° F will expand to 72 1/16" at 110° F.

Use ½" water resistant sheetrock wall covering. Cut the same size hole in the sheetrock as in the panel. Remove all dust from the panel and the wall just prior to bonding. Bond the panel to the sheetrock with heavy ¼" beads of silicone on 4" centers in the area within 18" of the steam head and up to 36" directly above the steam head. 8" centers will suffice in all other areas. Brace panel in position for 24 hours to allow the silicone to cure.

Many new steam head designs have been introduced into the marketplace recently. Some of the new designs have little or no impact to the wall surface and while others are quite harsh. If there is a question regarding the installation of a particular steam head and our panels, contact the factory for technical assistance and for some possible recommendations on how a particular steam head design may be used with our **TERE-STONE**® wall panels. As an example, Thermasol's No Touch Steam Head directs the hot steam directly onto the wall panels. Wall panel temperatures with this head measure up to 190° F near the head. Mr. Steam's new steam head also directs the steam against the wall panels with temperatures measured at 200° F near the head. **TERE-STONE**® offers an elegant color coordinated **Steam Redirector** that will redirect the steam away from the wall surface and into the room thereby lowering the maximum wall panel temperatures from 190° - 200° F to approximately 135° F maximum. Additionally, it has been reported that the installation of our **Steam Redirector** will heat up the shower more rapidly, and with more uniform temperatures and less wasted energy.

Thermasol's "No Touch" Steam Head

Use the **TERE-STONE**® **Steam Redirector**, available in all of our colors, on these applications to redirect the steam flow into the shower. Use a 4" diameter hole saw to cut through the panel at the center of the steam line. The **TERE-STONE**® **Steam Redirector** is 6 3/8" in diameter and will amply cover the hole. Install the steam housing as per instructions from Thermasol with the exception that the hole must be 4" in diameter and the housing should project 3/8" beyond the surface of the wall panel instead of being flush with the panel. Bond the **TERE-STONE**® **Steam Redirector** to the panel centered on the steam housing, as follows:

1. Peel off the protection paper on the mounting pads on the back side of the **Redirector**
2. Place a 3/16" diameter bead of RTV silicone ½" in from the outside edge,
3. Press the **Redirector** to the panel centered about the steam pipe. Seal the edge with the decorative silicone sealant and tool the joint per the Perfect Bead instructions. Attached the steam head in accordance with the manufacturer's instructions.

Mr. Steam's Model 103937 Steam Head

The Acrylic Shield (Part No. 103938) available for use with the Mr. Steam Model 103937 Steam Head does not provide for adequate tempering of the steam jet. Use the **TERE-STONE® Steam Redirector** available in any of the 3 standard **TERE-STONE® Solid Colors** on these applications to redirect the steam flow into the shower. Use a 2" diameter hole saw to cut through the panel at the center of the steam line. The **TERE-STONE® Steam Redirector** is 6 3/8" in diameter and will amply cover the hole. Use a 2" diameter hole saw to cut a hole in the center of the **Steam Redirector**. Install the steam supply nipple as per instructions from Mr. Steam with the exception that the hole must be 2" in diameter and the 1/2" steam nipple should be flush with the surface of the panel. Bond the **TERE-STONE® Steam Redirector** to the panel centered on the steam supply nipple, as follows:

1. Peel off the protection paper on the mounting pads on the back side of the **Redirector**
2. Place a 3/16" diameter bead of RTV silicone 1/2" in from the outside edge,
3. Press the **Redirector** to the panel centered about the steam pipe. Seal the edge with the decorative silicone sealant and tool the joint per the Perfect Bead instructions. Attached the steam head in accordance with the manufacturer's instructions.

Amerec's Model 8812-01 Steam Head

These steam heads direct the steam down and out into the enclosure. Maximum panel surface temperatures are 145° F. The **TERE-STONE® Steam Redirector** is not required for this application. The escutcheon plate for this head is 2 3/4" dia. Cut a 2" dia. hole and center the steam line in the hole. The **TERE-STONE® Steam Redirector**, if used, should be bonded to the wall panel centered on the steam supply nipple, as follows:

1. Peel off the protection paper on the mounting pads on the back side of the **Redirector**
2. Place a 3/16" diameter bead of RTV silicone 1/2" in from the outside edge,
3. Press the **Redirector** to the panel centered about the steam pipe. Seal the edge with the decorative silicone sealant and tool the joint per the Perfect Bead instructions. Attached the steam head in accordance with the manufacturer's instructions.

Steamist Model 3199 Steam Head

These steam heads direct the steam out into the enclosure. The maximum panel temperatures from the condensed steam are low, however the brass back plate is very hot. The **TERE-STONE® Steam Redirector** is not required for this application, however we recommend that a 2" dia. hole be cut in the panel centered around the steam pipe and the Steamist back plate be installed 1/16" away from the **TERE-STONE®** wall panel and fixed at this position with Silicone RTV. This will insulate the wall panel from the direct heat of the back plate. The **TERE-STONE® Steam Redirector**, if used, should be bonded to the wall panel centered on the steam supply nipple, as follows:

1. Peel off the protection paper on the mounting pads on the back side of the **Redirector**
2. Place a 3/16" diameter bead of RTV silicone 1/2" in from the outside edge,
3. Press the **Redirector** to the panel centered about the steam pipe. Seal the edge with the decorative silicone sealant and tool the joint per the Perfect Bead instructions. Attached the steam head in accordance with the manufacturer's instructions.