

## 1. PREPARATION OF THE SUPPORT BASE:

- **Cleaning:** Make sure the support base is on a dry, clean and dustfree surface. Remove any loose or broken materials from the area
- **Leveling:** If the support base is uneven then surface must be leveled by applying regulation mortars.
- **Consistency:** The consistency of the base should be high (ensuring high traction resistance). If this is not the case, it must be removed and replaced with a suitable support base.
- **Rugosity and porosity:** The support base shall be provided with adequate superficial rugosity (roughness) and porosity so as to help the product adherence. The higher the support base's rugosity is the higher adherence there will be between the support base and the stone.
- **Temperature:** Those levels specified in the product datasheets shall be followed. As a general rule, the application of products shall cease when the temperature of the support base is lower than 5 °C unless otherwise stated in the product technical datasheet.
- **Humidity:** Humidity ranges specified in the product technical datasheets shall be followed. The humidity of the support base shall be very low when using synthetic materials whereas humidity should be quite high when using hydraulic materials taking care not to cover the support base with water.

## 2. HOW TO APPLY THE ADHESIVE

You must use the correct adhesive for the specific support base. Cosentino recommends following the classification determined by the UNE 12004 regulation as well as making use of the following: Natural Stone: ARDEX X701 or ARDEX X32 (Ardex), Granirapid or Keralastic (Mapei), Pegoland Flex and Pegoland Record (Puma). Silestone®: Pegoland Fast Fluido (Puma), Granirapid (Mapei) and Ardurit X7 PLUS (Ardex).

- Non-slip adhesive should be used for claddings (it is classified as T according to regulations).
- If plastered mortar is used, connecting straps between the mortar and piece are recommended in order to increase adherence and avoid efflorescence.
- A previous primer layer shall be required in those support bases with higher humidity levels.
- The size of the trowel to be used will depend on the slab dimensions (from 4 to 6 mm. for 10x10 y 20x20 slabs and 10 mm. for bigger pieces).

Once the suitable adhesive has been chosen, apply to the support base with a serrated trowel. Please apply a double gluing technique in claddings.

### WARNING:

Due to the high expansion coefficient of Silestone®, the use of expanding cement will be required. Because, since we are working on non-porous surfaces, the normal cement that requires physical drying must not be used. The correct option is using a chemical based cement as it will harden by means of chemical reactions, not through air contact.

## 3. LAYING THE TILE

Next, the selected slabs will be laid onto the adhesive by pressing them and adjusting them into the correct position. After laying the pieces, they can be adjusted as long as the curing time of the adhesive is not reached.

- Use cross joints and leave one joint between the pieces (without any filler). Fill in every corner of the joint making sure that there are no air bubbles or untreated areas.
- Pieces will be laid in such a way that there is a minimum of a 2 mm. separation inside (\* only for PN). The bigger the slab is, the more separated the slabs should be.
- Slabs shall never be laid on the header face, which means, without any placement joints between the slabs especially when working with Silestone®.
- Pieces of newly constructed works should not be laid until structural movements cease.



## 4. REJOINTING

Check that joints are not covered by the adhesive. Remove the remaining parts and clean the surface of the slab with a wet sponge. Commence sealing the joints after 24 hours. Apply rejointing mortar with a rubber trowel, spatula or spray gun. A 5 mm. perimeter joint between the floor laying and vertical surfaces should be left.

Movement joints should not be covered by any rigid covering. The expansion joints will be laid as follows:

- For interior floors, every 30 m2. For outdoor flooring, every 20 m2 (\*only in PN)

You should take into account that expansion joints match those of the building. That is the reason why an inspection on the joints should be carried out every five years to check whether there are cracks and crevices, etc.

Cosentino recommends the products of Morcencolor universal joint (Puma) and Kerapoxy (Mapei) for Silestone®

- The steps described in the previous installatio sheet should be followed when paving and cladding large pieces of Silestone®

### Placement Joints:

Placement joints are essential regardless of the room to be cladded or paved as they prevent pieces from cracking and expanding due to sudden temperature changes or thermal shock. In general, the joints are set from between 2 to 5 mm. and for Silestone® pieces bigger than 30 x 60 cm make sure that the maximum widths joints are used

- \* For care and maintenance of large size Silestone® products: shower trays, washbasins, cove bases, etc.

### WARNING:

Please, follow the recommendations provided for the safe care and maintenance of Silestone® surfaces (floors, walls, shower trays...):

Do not use strippers, caustic soda, or any product with a PH higher than 10. In the event of using bleach or solvents, rinse thoroughly with water and do not let them stay in contact with the surface for a long time.

In order to get rid of lime stains, pour onto a wet cloth a small amount of any commercial product easily found in a supermarket. Ensure the product is removed in less than a minute. Then immediately clean the surface and rinse thoroughly with water. Follow the recommendations given by the manufacturer on limescale cleaner. Do not apply this product on any other surfaces such as taps, sinks, etc. since it may damage their finish. Cosentino recommends using Q-Action for the daily cleaning of Silestone. This product along with a clean cloth warrants a deep cleaning without rubbing.

**PLEASE CONTACT YOUR COSENTINO CENTRE FOR MORE DETAILS**



**IMPORTANT**

There are technical sheets available in case you need further information about technical requirements when fabricating Silestone. Please contact our technical department.

**GENERAL SALE CONDITIONS**

All the orders are accepted, except for express pact with the client, value date of invoice. The merchandise travel by account and risk of the buyer, not responding of failures or breakage. Any claim have to take place within the eight following days to the reception of the merchandise. All prices will be increased with the VAT established by the law. The acceptance of all previous as well as anycontrovery, implies the recognition of Almeria Courts, (Courts of Purchena), as a judicial place for the resolution of litigations between the buyer and this company.



THE ORIGINAL

RECYCLED SURFACES

SENSA PROTECTION



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