

1. INITIAL CONSIDERATIONS

Non-slip materials, due to their inherent surface characteristics (more specific surface,) **are less hygienic** (it is easier for dirt to accumulate and it is harder to remove it) than models that do not have this property.

The recommendation for of this type of texture shall be directed **only** towards those **settings that really require it**, either due to legal or regulation specifications, or the establishment of safety conditions necessary to minimize the risk of falls from slipping in specific areas (swimming pools, outdoor ramps, wet areas,...)

2. DURING INSTALLATION

In order to minimize deposition of bonding and grouting material debris on the ceramic flooring, we shall take a series of precautions that will facilitate subsequent cleaning and will prevent the use of more aggressive cleaning methods:

- Adopt the necessary construction and organizational measures to ensure that access and circulation routes remain as dry as possible, avoiding potential water logging (**slopes**, appropriate outlet openings, **drains**,... .)
- **Avoid the hardening of the bonding and grouting material on the non-slip surface**, eliminating any adhesive remaining while it has not yet set, using plenty of water to this end. The grouting operation shall be limited to small areas, cleaning the material immediately from the ceramic surface. Plenty of clean water shall be used, ensuring that the cleaning debris is eliminated from the ceramic surface, thus avoiding the detached material from depositing again on the tiles. The roughness of the texture, as well as a greater specific surface, are characteristics that cause that, once the cement material's setting time has passed, its surface removal operation is more complex.
- **Protect the flooring** until the completion of the work, in order to avoid damage and stains caused by actions subsequent to the flooring installation and prior to the delivery of the work.

3. PROHIBITIONS / ADVISED-AGAINST ACTIONS

No aggressive cleaning products or methods shall be used, specially cleaning with rotary machine with hard PAD discs, as they generate a polished surface and gradually reduce the slip resistance.

Metal spatulas, abrasive scourers, or concentrated chemicals shall not be used in cleaning.

4. MAINTENANCE AND REGULAR CLEANING

We recommend installing dirt retention systems in the entries, such as rugs or doormats, as a preventive measure in order to reduce the frequency of cleaning operations.

There are several systems that are suitable for cleaning this type of surface:

- **Water pressure** equipment or systems.
- Steam application systems
- **Plastic bristle brush** and rinsing with plenty of water
- Rotary machine is allowed as long as the cleaning tool is a plastic brush.
- Any commercial disinfectant such as bleach can be used as a cleaning product. **Soapy products or those containing waxes in their composition shall be avoided**, as they can increase the risk of accidents.

5. CONCLUSIONS

The characteristics of tiles with non-slip texture conform to the use specified in the product's datasheet provided that the appropriate handling, installation, maintenance (cleaning) and use guidelines have been followed.

If the owner fails to comply with the provisions of this manual, PORCELANOSA shall not be liable for the incidents that may arise from this non-compliance.

RECEIVED TO SATISFACTION:

Company:

Legal Representative:

Date:

Signature: