

# CONCRETE REQUIREMENTS CONSTRUCTION MANAGER

As a site manager, it is important that you consider the following specific requirements for working with concrete and **gomyFLOOR** products:

## 1. CONCRETE

- o The concrete used must comply with the European standards EN 206-1 and be completely dry.
- o In addition, it must have undergone a complete curing process of at least 28 days.
- o The minimum required density is 2400 kg/m<sup>3</sup>.
- o The compressive strength must be greater than 20 MPa (megapascals) for residential installations and 30 MPa for commercial installations.
- o These values ensure the quality and durability of the concrete used.

## 2. SUBSTRATE

- o The substrate on which the concrete will be applied must meet certain requirements to ensure adequate adhesion of the adhesive.
- o The substrate must be dry, structurally sound and dimensionally stable.
- o It should be free of substances or conditions that reduce or prevent adhesion of the adhesive to the substrate, such as concrete sealers, curing agents, dirt, wax, tar, paint, and loose coatings.
- o Mechanical removal of these substances is recommended. Solvents, with the exception of acetone, adhesive remover or acid etch should not be used.

## 3. WATERPROOFING

- o If waterproofing is required for a specific application, it must be specified and addressed prior to the application of **gomyFLOOR** products.
- o **GomyFLOOR** tiles should only be adhered to approved surfaces, so it is important to consult the appropriate adhesive guide.

## 4. MEASURING THE PH OF THE CONCRETE SLAB

- o It is critical to measure the pH of any concrete slab prior to installing **gomyFLOOR** products.
- o The pH of the slab should be within the range suggested by the adhesive used.
- o It is recommended that the adhesive manufacturer be consulted for the exact range.
- o If the pH is not within the suggested range, do not proceed with the installation until the adhesive manufacturer's requirements are met.
- o A high alkali content in the slab (with a pH of 10 to 14) may indicate a moisture problem.
- o If a pH problem is detected, a moisture test should be performed on the slab and appropriate measures should be taken according to the adhesive specifications.

## 5. CONCRETE POROSITY

- o During the process, it is important to take into account the porosity of the concrete.
- o It is always advisable to carry out adhesion tests before large-scale large-scale installations.
- o Excessively absorbent or rough concrete surfaces can increase adhesive consumption.

o If the surface is excessively porous or rough, grinding can be used to smooth the surface, grinding can be used to smooth the surface.

#### **6. PROPER PREPARATION OF THE CONCRETE SURFACE**

- o It is crucial to properly prepare the concrete surface prior to installation.
- o This involves removing bumps, bulges and ridges by grinding or chipping.
- o In addition, any existing surface defects must be repaired and filled.

#### **7. FINISHED SMOOTHED WITH STEEL TROWEL**

- o For new slabs, a steel trowel smoothed finish must be specified and required. steel-troweled finish should be specified and required for new slabs.
- o If this type of finish is specified, the surface should be first treated with treated first with power floats, where applicable, then with power trowels, and finally with hand trowels.

Keep these requirements in mind during the execution of the project. This will ensure the quality and durability of the installation of **gomyFLOOR** products. Remember to consult the relevant standards and guidelines, as well as the manufacturers of the products used, for more detailed information and to ensure proper compliance with the requirements.

If you have any further questions or need more information, please do not hesitate to ask.