



# PAVIMIX 50 PAV34



## ITEM SPECIFICATIONS

Self-levelling mortar for substrate flooring. High performance, wear resistant, fast setting and high workability, based on cement and special hydraulic binders, class CT C30 F6 A9.

## TECHNICAL CHARACTERISTICS

### VERY FLUID WITHOUT SEGREGATION

PAVIMIX 50 is self-leveling mortar very fluid for flooring. Its specific formula allows the product to flow almost as water without segregation for an application very easy without the use of mechanical vibrations, but only thanks of its own weight or with the use of a squeegee for an homogeneous outcome.

### STABLE FORMULA AND CONTROLLED SHRINKAGE

PAVIMIX 50 is a fluid mortar with high performance, born to be applied on large surfaces without the need of tight joints and with high abrasion resistance. Its formula has been designed to support slight variations on water dilution (no more than 1%). Its surface is perfectly compact and homogeneous. PAVIMIX 50 presents no problem of shrinkage, bending and curling, but allows you to make huge monolithic surfaces, safe and durable.

### VERY QUICK COMMISSIONING

PAVIMIX 50 is a very quick-drying and hardening mortar. The fluid phase, depending on the temperature, is about 20 minutes. Then, start/end setting phase is very short, allowing traffic after approximately 6 hours and the complete drive-over within 48 hours. However, the product continues to increase its strength during the first 28 days.

## THE PRODUCT



FOR FLOOR



PACKS OF 25 KG



FOR INDOOR & OUTDOOR



PACKS OF 20 KG



CEMENT BASED



PACKS OF 14 KG



VERY FLUID MORTAR



PACKS OF 10 KG



TO BE APPLIED AT TEMPERATURE FROM 10°C TO 30°C



MECHANICAL MIXING



USE PERSONAL PROTECTIVE EQUIPMENT



TO BE APPLIED WITH NOTCHED TROWEL



TO BE APPLIED WITH RUBBER SQUEEGEE

\* available on request

- universal self-leveling, for driveway
- for domestic flooring with light traffic
- very quick commissioning
- compatible with protective
- fluid, easy to lay, washable
- thickness from 3 to 30 mm

## AREAS OF APPLICATION

### INTERVENTIONS

- Excellent for flooring indoors and outdoors.
- Ideal for civil, commercial and industrial use, with traffic areas, resistant to thermal changes and low/high temperature.
- Ideal for realizing floors in schools, gyms, offices, warehouses and cold stores, or substrates for flooring in agro-industries, dairies, oil mills, slaughterhouses.
- Can also be use for overlaying on tiles, after an appropriate priming with epoxy primer and quartz sprinkle.
- Applicable in a wide temperature range if the climatic conditions are previously specified when ordering.

### SUBSTRATES

- Cementitious and ready-to-use screeds, prefabricated or cast on site concrete, aerated concrete, underfloor heating.
- Excellent on cementitious waterproofings.
- Good for overlaying on cement-based tiles.
- Good on gypsum-based screeds if first treated with EMULSIONMIX.

## DO NOT USE

- on glazed, resin or cement-based tiles, stoneware, plasterboards, on epoxy or flexible primers, on fiber cement, on metallic surfaces
- on rubber, PVC, wood, linoleum, insulating films, non cementitious waterproof membranes
- with natural stones subject to movements, in presence of dampness and substrates subject to continuous rising damp

## LAYING

As for any self-leveling, for the success of the work, it is strongly recommended to saturate the substrate by impregnation with a primer of EMULSIONMIX type or an epoxy quartz sprinkle kind. This phase prevents the subtraction of water to the material and avoids the formation of craters. Mix only the amount of material you are able to apply within the following 15 minutes.

On the ready substrate, lay the product, starting from back. Never lay again on product already applied. Before applying the product, remix and cast PAVIMIX 50 enlarging the mortar using a steel trowel, a rubber spatula or a spiked roller. During the laying, you must be careful to let a uniform thickness for every layer. In the case of very irregular substrates we recommend to apply 2 layers of material, even with fiberglass mesh: the first one will help to level the roughnesses.



APPLICATION



APPLICATION

## COMPLY WITH THE STANDARD

EN 13813 CT C30 F6 A9

## INDICATIVE DATA OF THE PRODUCT

Color/consistency: grey/powder

Solid content %: 100

Bulk density kg/l: approx. 1,4

Hazard classification according to 1999/45/EC: irritant  
important to carefully read the instructions contained in this form, on pack and on Safety Data Sheet

Storage: 6 months in dry and ventilated environment

Packaging: 25 kg

Custom code: 3824 50 90

## VALUES OF THE FINAL PERFORMANCE

Compression strength after 28 days (EN 13892-2):  $\geq 30$  N/mm<sup>2</sup>

Flexural strength after 28 days (EN 13892-2):  $\geq 6$  N/mm<sup>2</sup>

Adhesive strength on concrete after 28 days  $\geq 2$  N/mm<sup>2</sup>  
(EN 13892-8):

Abrasion resistance (EN 13892-3) cm<sup>3</sup>/50 cm<sup>2</sup>: A9

Abrasion resistance (EN ISO 5470)  
(MOLA CS17 - 1.000 g - 500 rpm) < 0,5 g

Abrasion resistance (EN ISO 5470)  
(MOLA CS17 - 1.000 g - 3.000 rpm) < 1,0 g

Shrinkage (mm/m):  $\approx 0,4$

Resistance to solvents, oils, alkalis: excellent

Resistance to acid: mediocre

## VALUES AND APPLICATIVE INFORMATION (AT 23°C AND 50% R.H.)

Water used for mixing: add  $\approx 25\%$  of water on a part of PAVIMIX 50

Pot life: 20 minutes

Consumption: 2 kg/m<sup>2</sup> per mm of thickness

Complementary products: ISOLPLANO - EMULSIONMIX

Application temperature: + 10°C /+ 30° C

Start setting time:  $\approx 60$  minutes

End setting time:  $\approx 80$  minutes

Fluidity or spreading  
ring 30 x 50 mm (EN 12706):  $\approx 140$  mm

Set to light foot traffic:: 12 hours

Ready to use:  $\approx 3$  days

PH of the mixture:  $\approx 12$

Bulk density of the mixture kg/l: 1,8



Personal Factory s.p.a. IT03062550797  
viale F. Ceni 101 - 89822 Simbario - Italia

## WARNING

The requirements and the guidelines herein are to be considered purely indicative and corresponding to our everyday best experience. We therefore recommend carrying out the tests in order to verify that the product corresponds to what is actually required and expected. We, as producers, do not assume any responsibility about how, when and where our products are applied except for the constant quality of the material.