PAVITAIS PI, SPECIAL EPOXY RESIN FOR CONTINUOUS FLOORINGS



Descrição

Two component paint based on epoxi resins which mixed in the right moment of using form an self levelling pavement with a high resistance to rolling and wearing. It is not suitable on pavements which are in contact with solvents or alcohols.The mixture must be applied inmediatly with trowel or spatula because it turns harder quickly.
Available colours: Grey, red and grey.

Aplication

It is used for continuous pavement in the food industry in general (refrigerators, fish markets, bakeries, warehouses, slaughterhouses, canned food Industry, milk industry, etc). Also used in laboratories, chemical plants, supermarkets, warehouses, etc. In exteriors it may suffer discoloration, which does not influence the performance of the pavement; it can be suitable to apply a coat of POLIURETANO 80/20 of the same color to protect it.

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síguenos en:

Surface preparation

The background of application must be clean, free of grease, oil, saltpeter, cracks and fissures, by being smooth, compact and dry.

Modes of application

Homogenize separately the contents of each package.
- Mix both components manually or with a low-revoluion electric mixer (400 - 500 rpm).
- Adding of quartz aggregates will depend on the type of floor
that will perform the proper aggregates must be added. In the case of self-levelling floors are used Self-levelling Load which provides a selection of aggregates suitable for this application. Generally the performance is 2 kg of aggregates per 1 kg of resin for 1 sqm of flooring.In case of multi-layer floorings, apply a first layer similar to self-levelling flooring and while it is wet ARCUAIS 0,2-0,8 mm quartz aggregates must be added removing the wasted aggregates the next day. After that a layer of PAVITAIS PI must be applied by roller or rubber trowel.
- Multi-layer flooring may have more layers in which case the adding, the vacuuming and the final sealing with PAVITAIS PI resin.
- The application as a mortar is done adding into the resin a charge of ARCUAIS 0,2-0,8 in proportion of 1:5 to 1:7 load on weight relation. With this paste apply the flooring between profile tracks with the required thickness for the flooring, spread it and smooth in order to achieve a smooth surface. Finally, once it is dry (at least 12 hours) seal it with a layer of PAVITAIS PI by roller or rubber-trowel.
- Make the mixture into small quantities (5kg), because the open time of the
mixture does not exceed 20 to 30 minutes.
- Concrete surfaces shall be prepared by mechanical means, blasting, sanding or scarifying before the application of the product in order to obtain a open-pore surface and slightly texturized.
- The concrete substrate must be compact and have a minimum mechanical
strength: compression> 25 N/mm2; strength> 1.5 N/mm2
- The substrate moisture must be less or equal to 4%, if it is not the case or if the pavement has any vapor barrier, a layer of DUREPOX
AUTONIVELANTE should be applied in a thickness of 2 mm, to avoid problems related with humidity on the epoxy floor.
- If it is necessary to heat the room for the application, it should not be made with fossil fuel heaters, they can adversely affect the finish of the pavement. If the flooring doesn´t have vapour barrier can produce buckling on flooring consequently a DUREPOX AUTONIVELANTE layer of 2 mm must be applied before the resin.
-The temperature of the application and the support must be between 10 and 30 ºC and 75% of R.H.
- The supports close to the ground must be free of rising-damp.
- If it is neccessary to heat the premise for the application don´t use heaters that work with fossil fuel due can affect to flooring finishing. It must be done by electrical elements.
- The enabling of using the floor depends on the temperature. When it is 20 º the floor can be use to support the traffic of people, in 3 days light transit. With low temperatures requires more time and with higher temperatures could be used in less time but is not suitable to do before 24 hours in any case.

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Clean up

Clean using our solvent DISOLVENTE EPOXI.

Data sheet

Densitycomponent "A": 1.45 Kg/L (±) 0.01 at 20 º C
component "B": 1.05 Kg/L (±) 0.05 at 20 ºC.

Adhesion1.5 N/mm2 (concrete)

Abrasion resistance0 mg (CS 10/1000/1000) (8 days,23ºC) (TABER/DIN 53109)

Viscositycomponent "A": 8.000 ± 500 mPa.s
component "B": 23 +/- 8 s at 20ºC

Heat ResistancePermanent until 50ºC, sporadic until 80ºC

Compressive Strength62 N/mm2 (28 days,20ºC) (EN 196-1)

Flexural Strength32 N/mm2 (28 days,20ºC) (EN 196-1)

Color(s)grey, red and green,etc.

Working temperature10 to 30ºC

Mix ratioin weight 80,97A/19,03B

Solids Content> 94% (+/- 2%)

Performance

2.5 to 3 m2 per kg in 300 micron coating.

Storage

It is recommended to store this product for 1 year in its tightly closed original packages.

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