

PRESENTATION

THE COMPANY

Company dedicated to the manufacture, distribution and placement of elements for the construction. Specifically concrete floor hardeners, cement coatings for all kind of surfaces, smooth and with texture, mold release for textured floors, water or solvent based acrylic sealers and poliuretanic sealers, waxes and accessories related to all kinds of construction of houses, for industrial, comercial or residential applications, either interior and exterior areas.

THE PRODUCTS

DURO-CRETE: It is a hardener in dry powder, based on selected quartzitic sands, metallic and organic mineral pigments (BAYER), wich do not degenerate for the action of ultraviolet rays, and cements CP40 and CP50.

The product is offered in a range of 36 standard colors, and is available in 25 Kg paper bag. For colors not included in the sample book, they can be made to order, in agreement with the technical department.

Plastering Color : It is a dry mold release agent, non diluted in water, available in the same range color as DURO-CRETE hardener, and in 10 Kg paper bags.

DURO-FIX: It is a two components powder liquid product.

These in a proportion from two to one, must be mixed, up to obtain a soft mass that is applied by trowel in smooth horizontal and vertical surfaces, in a range of 2 to 3 mm thick, giving a variety of options in cement colors.

Can be placed on concrete, mdf (medium density fiberboard), glass, ceramics, mosaics, plaster, metal, plastic, etc.

It is not only a seamless product that hides level imperfections, but also a non combustion and erosion resistant one.

The powder component is available in 25 Kg papers bags, and the liquid one in 20 liters bucket, both in proportion for practical use.

The previous preparation of the surface requires a leveling base, thick gray or white base that is applied previously to the application of the color.

THE SEALERS

Water base, acrylic or poliuretanic have the purpose of saturating the porosity of the hardeners to prevent the penetration of the water, dust, oils, etc. in the material, granting hereby major quality of completion, hardness and facility of maintenance.

TECHNICAL SUPPORT

We possess technical personnel with more than ten years of experience in the manufacture and application of the products destined to solve the completion of floors and coatings.

Besides improving the manufacturating standards, there is permanent search to perfect the application with more simple methods and tools, to achieve a better quality and to facilitate the operative in any modal to the embellishment and completion of floors, so much be of concrete, calcareous, ceramics or carpets.

APPLICATION OF DURO-FIX

PREPARATION OF THE SURFACE:

The floor or the wall must be firm, dry and leveled, free of powder and it is recommended to work with a semi-industrial vacuum cleaner. The product can be applied on any type of carpet such as ceramic, tiles, plaster, fenolics, mdf, metal, glass, etc., since its adhesiveness is unbeatable. The applications of thick or leveling bases are important when the receiver surface requires them.

NECESSARY TOOLS

- A metallic trowel
- Drill 13 mm variable speed
- Mixer like painting type
- A paintbrush and a spatula
- 120 grain water sandpapers.
- Buckets for the preparation
- 2 equal size dispensers, one for liquid and the other for solid

PREPARATION OF THE MIXTURE

Providing that one arranges the application of DURO-FIX must be done in moderate and exact quantity because the hardness is rapid, approximately 30 minutes. Example: two measures of the Component N°1 powder will be mixed actively with a measure of the Component N°2 liquid until a creamy and homogeneous mass is obtained. It will be distributed by using the trowel until returning to prepare another measure.

Once the first layer is finished, it must be left to dry. After that, the surface must be sandpapered and cleaned with the vacuum cleaner. The third and last coat must be applied without forgetting the different states of drying, sandpapering and cleaning.

SEALING AND WAXING

Once the previous step is completed, 3 to 5 sealer coats must be applied and each of them requires a drying process.

All the products must be used without modifications, as they are delivered from factory.

Once the work is finished, floor aspect can be improved by applying a based water natural wax coat. Based solvent waxes must not be used.

PERFORMANCE

Considering the skill and practical know how of the workman, it is calculated that 1 Kg/m² are enough to prepare a 3 coats application.

NOTE: During the preparation do not expose the components to the sun or high temperatures. Cold and wet water delay the drying process, which can be quicker by using an electric fan.

In case of having a surface with other features, it is advisable to consult DURO-PISOS S.R.L technical department.

DETAIL OF APPLICATION ON DIFFERENT SURFACES

Recommendations of DURO-FIX application on the following surfaces:

FLOORS AND WALLS CERAMICS: Since there is going to exist a depressed seam between every piece of ceramics tiles, in all cases it is convenient to apply a thick base coat (or 2 until it remains seamless) before applying 2 coats of DURO-FIX color.

FLOORS OF CONCRETE, CEMENTITIOUS CARPETS OR PLASTERINGS: In case of any depression, small fissure or stripes (plastering combing defects) appear on the surface, it is advisable to apply a thick base layer for leveling it.

FLOORS OF GRANITIC TILES: If they are very porous, apply a coat of thick base. Usually the seam material at the joints is removed. It is needed to verify the cause, time effects or loose pieces. Any moving tile must be removed and the left cavity must be refilled with concret in order to avoid joints defects.

COATINGS OF PLASTER OR METAL: It is applied directly under the recommended conditions. If the plaster is very porous or absorbs too much, the first coat can be applied more diluted in the liquid component, not in water.

In case of the treated surface shows a fall up of 1cm, it is convenient to use leveling base.

NOTE: All the surfaces must be dry and free of dust.

Do not apply on surfaces when the temperature is lower than 10 ° C.

When humidity exceeds 75%, more quantity of powder component can be added to make the application and drying process easier.

CARE AND MAINTENANCE OF FLOORS

Any pavement needs a minimum of maintenance.

The basic methods of cleaning for the usual care are the base of floor conservation.

In interiors it is advisable to sweep, to aspire or to wash from time to time with clean water, soap or neutral detergent, not caustic one. For exteriors maintenance, the surfaces must be washed with major frequency due to the fact that they receive more quantity of dust, soot, wastes, etc. In this way, residues produced by sun or water are removed.

If there exists a spot that turns out to be difficult to clean, brush energetically with soap. Neither acids, nor degradating chemicals must be used.

Do not use deterative that contain nitrate or sulfate of ammonia, since they damage the superficial coating layer.

Hypochlorite of sodium can be used , rinsing with abundant waters once the spots are eliminated.

In general, to support the floor as the first day, it is advisable to reseal it according to the traffic intensity, geographical location or climatic condition under wich it is exposed. For that reason, in a previous visit a professional will recommend to do the work within 15 and 30 months.

The residential surfaces need less cleaning than public or comercial areas, places with more traffic and less care, so it advisable not to use within 72 hours after the sealing work.

We remember that every floor is different and unique, so the care should fit specific needs.

NOTE 1: Advisable cleaning product as READY SP and STAMPA WAX, both from SUTTER COMPANY.

NOTE 2: In exteriors, after water washing, dry immediately to avoid the risk of slipping.

RANGES OF APPLICATION OF DURO-FIX

-When we apply the DURO-FIX coating we always have to do it on clean, dry, firm and leveled surfaces.

-It can be applied on ceramic floors, concrete, tiles, granitic, ceramic, cementitious carpets, plaster, plastering, metal, mdf, etc., for new construction or renovation projects, either interior or exterior areas.

-DURO-FIX has two components, one in powder and other one liquid. The liquid one in acrylic base gives a power of whole adherence for what is highly recommended not to modify its composition.

The advantages of DURO-FIX on other constructive systems

-Quick use of the worked surface (approximately 30 m² finished per day), according to weather conditions and official workman know how

-Under sonorous level of machine's use (one drill and one vacuum cleaner)

-Easy transport of materials (20 liters bucket and 25 Kg bags)

-Cleanliness and immediate completion (the fact of working in final term provides a very pleasant sensation).

-Non-emanating pollutant odours

-Intense traffic resistant within 72 hs of application

-Water resistant, waterproof, not water-repellent

-Immediate possibility of treading on

-Does not fissure or crack

TECHNICAL INFORMATION:

- Approximated performance, 1Kg/m².

-Relation of mixture in volume: two parts of powder and one of liquid.

-Drying time between coats at ambience temperature (18° C to 23° C) 1 hour.

-Resistance to the compression: 210 Kg/cm² 48 hours after

-Not inflammable: contributes neither to the combustion, nor to the formation of smoke

-Useful life: 1 year stored in dry and fresh places

SEALED OF FLOORS.

BASED WATER SEALER.

In case of DURO-FIX, the based water acrylic sealer has the purpose of covering pores, and to make the surface raincoat to avoid the penetration of liquid and stains. It suits to apply a minimum of 3 coats on walls and up to 5 coats on floors. The absorption depends on the climate and on the porosity and the consumption rounds 5 liters any 30 m².

The brightness acquired by the floor once recently applied is reduced by action of use. To maintain it, based water liquid natural wax is convenient in a weekly application.

The application has to be done in both cases with a polyester mop for wax and wait drying process between each coat.

For sealed walls, proceed on the same way. Because of the absence of friction, brightness remains in good conditions.

Do not dilute and apply as it appears. In case that the surface for sealing is stained or has imperfections, it is convenient to use a polisher machine and burnishing pieces of cloth, so that color and impression is more lasting. Whenever this work is done, it is important to eliminate any trace of dust or fluff by using a vacuum cleaner.

POLIURETANIC SEALER

Similar to acrylic, it is advisable to be applied in bathrooms, kitchens and exteriors. Because of its hardness, used at the last coat, become water and alkalis resistant as well as ultraviolet rays resistant.

SEALER TO THE SOLVENT

It is used for sealing concrete floors.

This based solvent acrylic sealer density is less fluid than based water sealer, so epoxy roller must be used.

Takes more time in drying than based water sealer, but is harder and forms a thin coat that prevents the absorption of any liquid oil, or powder.

Solvents use facilitate hands and tools cleaning.

Do not dilute, do not expose to high temperatures and maintain out of the reach of children. While the drying process, maintain fresh air at interior places.

COLOR PLASTERING

The plastering color has the following basic composition:

- Mineral of quartz in three grains, thin - middle - thick, according to the desired type of work
- White or gray cement.
- Lime and pigments (Bayer), they do not go on bleaching

A range of 12 colors are available but also they can be made to order on a minimum basis of 150 Kg (6 bags of 25 Kg each one).

The preparation is very simple: 1 bucket 8 to 12 liters of water for every bag of works of plastering. Liters are referred to utilized grains.

Both ingredients are placed inside a washtub (plaster type) and are mixed homogeneously.

It is advisable to leave hydrate at least an hour and a half before its application.

The application is like any narrow or thin plastering: Hand tools are used, spoon, float and trowel. Does not need classified manpower.

The surface has to be leveled and free of powder. Water must be added in enough quantity according to present weather.

The surface can be also projected with blowpipe and finish the work by means of the workman skills.

Optionally a blowpipe can be used 48 hours after the based water acrylic sealer.

This avoids fungi formation and helps dust or not desired stains cleaning, what is more adds extra hardness.

DURO PISOS S.R.L.

CONCRETE FLOORS AND CEMENT COATINGS.

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