


TECHNICAL SHEET	PRIMERS AND PAINT	 EN 13813:2014	Designation according to the standard EN 13813:2014 SR - B1,5 - AR0,3 - IR14
-----------------	-------------------	------------------------------------------------------------------------------------------------------	----------------------------------------------------------------------------------------

Revision: 01 - 25/05/2020

Epoxy paint

High chemical resistance epoxy paint for use as a finish and protection of floors in industries, offices, shops, parking lots, etc. It has a multitude of finishes.

Composition

Epoxy paint is a floor coating with components made from epoxy resin.

Scope of application

- EPOXY PAINT are different proposals for technical and aesthetic flooring that cover a very wide spectrum of applications.
- They all have excellent resistance to traffic, high chemical, mechanical and abrasion resistance, are resistant even to low temperatures, and are very resistant to wear.
- They are ideal solutions for bakeries, warehouses, pantries, public premises, chemical industries, food industries, mechanical workshops, garages, public and private car parks, cold rooms, clothing stores, hotel entrance halls, stadium lobbies, offices, game rooms, nurseries, etc.
- EPOXY PAINT has all kinds of smooth and non-slip finishes to meet the requirements for bare feet or shoes.
- EPOXIC PAINT applied as paint, resists chlorinated water in overflowing gutters and regulating vessels.

Instructions for use

Preparation of the support:

The secret to the success of a continuous resin floor lies in the correct and strict prior preparation of the substrate. To do this, we will comply with the following points:

- In new concretes must wait for the total setting (minimum 30 days). The humidity should be < 4% by weight. In old concrete, we will also verify that the humidity is <4% by weight. (use a hygrometer)
- Surface preparation can be chemical or mechanical or a mixture of both:
 - Chemical Surface Preparation: clean the entire surface with a dilution of hydrochloric acid and water in a ratio of 1 part acid to 20 parts water. Spread, rub, pick up and finally rinse the entire surface with plenty of water. Allow to dry completely.
 - Mechanical surface preparation: depending on the condition of the surface (painted, rough, chipped,...) we will blast, mill or diamond the surface.

Recommendations for use

- EPOXY PAINT is easy to use, but requires application by professional personnel.
- EPOXY PAINT is made up of different types of flooring: choose the most appropriate according to aesthetics and/or desired physical resistance. No aplicar sin una adecuada preparación previa del soporte.
- Do not dilute any product: all are already pre-dosed.
- Do not use in applications that are not described in this technical sheet.
- Do not apply outdoors: UV rays do not alter its properties, but it discolors it.
- Environmental conditions: The minimum application temperature is +10°C, understanding that the temperature of the pavement will be minimum +3°C above the dew point.

Complete range of products that make up the different technical and aesthetic solutions for all EPOXY PAINT systems:

- **ADIPOXI:** The small chips or cokers present in the concrete must be filled with the ADIPOXI thixotropic epoxy mortar and once dry it must be mechanically sanded.
- **EPOXY BASE PAINT:** Pre-primer for WET supports with extraordinary penetration capacity in absorbent supports.
- **EPOXY PAINT:** Epoxy with multiple possible applications:
 - Applied pure with a roller it is an epoxy paint.
 - Also applied pure but with a rubber lip, it is an epoxy seal for non-slip floors.
 - Mixing it with the QUARTZFILLER A, we get a self-levelling epoxy mortar to be applied with a notched trowel and a barbed roller.
 - Mixing it with QUARZONATURAL G or R or F, we can carry out previous smoothing layers to regularize the floors to be covered
- **EPOXIC PIGMENT PAINT:** Pigmented paste for coloring the colorless EPOXY PAINT.
- **CUARZOFILLER A:** A mixture of special fillers to be added to the EPOXY PAINT and thus obtain self-leveling mortars applicable with a notched trowel and a barbed roller.
- **NATURALQUARTZ G:** Coarse sand to make the first layer of smoothing.
- **NATURALQUARTZ R:** Round sand to make an intermediate smoothing layer or to be able to sprinkle on non-slip pavements.
- **NATURALQUARTZ F:** Fine sand to carry out the last layer of smoothing.
- **MONOQUARTZ:** Monocolor quartz sand to be able to sprinkle on non-slip floors.
- **BLENDQUARTZ:** Mixture of colored quartz sands to be able to make a sprinkling.

Technical data

Product	Type	EN-131813 Mortar for screeding and floor finishes.- SR - B1,5 - AR0,3 - IR14 EN 1504-2 Surface protection systems for concrete: C - PR(5/5.1)
Application	Application Temperature	+ 5°C a + 35°C
	Stand Humidity	<4% parts in weight measured with hygrometer and without rising humidity
	Stand Temperature	from +10°C to +30°C and always 3°C above the dew point
	Maximum Relative Humidity	80%
	Waiting time between the application of the primer and the application of the EPOXY PAINT	at +10°C min.24h. but it will always depend on the degree of ventilation of the work and the relative humidity in the environment, so it is essential to check with a hygrometer that the humidity between layers is always <4% before applying the next layer.
Consumption	EPOXY PAINT	approx. 0.325 Kgs/m ² per hand
	EPOXIC PIGMENT PAINT	approx. 0.025 Kgs/m ² per hand
Performances	Waiting time before commissioning	at +10°C: 72h.pedestrian - 6 days light - 10 days intense at +20°C: 24h.pedestrian - 4 days light - 7 days intense at +30°C: 18h.pedestrian - 2 days light - 5 days intense
	Compressive Strength (EN 196-1)	65 N/mm ² (28 days at +23°C) of resin
	Flexural Strength (EN 196-1)	35 N/mm ² (28 days at +23°C) of the resin
	Adhesion (ISO 4624)	>1,5 N/mm ² (due to the breakage of the concrete)
	Slip resistance (EN 12633)	from Class I to Class III depending on finish

Performances	Thermal resistance with dry heat	at +50°C: permanent (no abrasion) at +80°C: 7 days (without abrasion) at +100°C: 12 hours (without abrasion)		
	Thermal resistance with moist heat	at +80°C for steam cleaning		
	Fire resistance (EN 13501-1)	F		
	EN-131813 Mortar for screeding and floor finishes	SR: Self-leveling synthetic resin paste		
		Abrasion resistance (EN- 13892)	type AR 0,3 ; <3000mg H22/1000	
		Adhesion (EN-13892-8)	type B 1,5 ; >2,0 N/mm2	
		Impact resistance (EN-6272)	type IR 14 ; Class III	
Capillary absorption and water permeability	w < 0,1 kg/m2·h0,5			
Storage	Protected from heat and frost	2 years		
Presentation	EPOXY BASE PAINT	15 Kg.		
	EPOXY PAINT	18,54 Kg.		
	EPOXIC PIGMENT PAINT	1,46 Kg.		
	CUARZOFILLER A	20 Kg.		
	NATURALQUARTZ G ó R ó F	25 Kg.		
	MONOQUARTZ	25 Kg.		
	BLENDQUARTZ	25 Kg.		

For safety precautions in the use, storage and disposal of the 3producto, please refer to the Safety Data Sheet available on the website www.aymarsa.es

NOTE: The information contained in this technical sheet is based on our experience and tests carried out in specialized laboratories. The characteristics of the resulting product will depend on the correct preparation and application on site by the user. If these conditions are not met, the characteristics indicated above will not be achieved.



Plant & Offices

Ctra. C-35, Km 58 · Post Office nº1
08470 SANT CELONI (Barcelona)

Tel. (+34) 93 867 00 00

aymar@aymarsa.es
www.aymarsa.es

