

TECHNICAL DATA SHEET

AQUAPLAST 200

TWO-COMPONENT, WATER DISPERSION OF EPOXY RESIN

CHARACTERISTIC

Good vapor permeability.
Almost odorless material
Water-dilutable.
Available in many colors (TECHNIART palette)
Chemical and mechanical resistance.
Good adhesion to various substrates.
Ease of application.
A universal product with a wide range of applications.

PURPOSE

AQUAPLAST 200 is a colored epoxy resin most commonly used for:

painting floors and coatings
making floors and coatings with quartz sprinkles
making floors and coatings with sprinkles of colored chips

Widely used in industrial facilities, warehouses, parking lots, technical rooms and in living quarters, home garages, basements, boiler rooms and utility rooms.

COMPOSITION

Component A	-	modified epoxy resin
Component B	-	hardener for epoxy resin
Mixing ratio	-	7: 5

PACKAGING

6 kg	-	Component A	3.5 kg
	-	Component B	2.5 kg
12 kg	-	Component A	7 kg
	-	Component B	5 kg

STORAGE

Store in factory closed packages, in conditions free from moisture, freezing and contact with fire - max. 12 months.
In the event of crystallization, the material should be heated to 40 °C and wait until the phenomenon has completely subsided. The situation did not affect the technical parameters of the material.

TECHNICAL DATA

DENSITY Component A	-1.73 kg / dm ³ (+25 °C)
DENSITY Component B	-1.0 kg / dm ³ (+25 °C)
DENSITY Component A + B	-1.48 kg / dm ³ (+25 °C)
EFFLUX TIME A + B	-3 0 s (Ford 8 mm cup +25 °C)

APPLICATION

CONDITIONS:

AMBIENT TEMPERATURE	min . 10 ⁰ C max. 30 ⁰ C
SURFACE TEMPERATURE	min. 10 ⁰ C and min. 3 ⁰ C higher than the dew point temperature
AIR HUMIDITY	max. 75%
RELATIVE HUMIDITY OF THE SUBSTRATE	max. 5%

MIXING:

The materials intended for use should have a temperature of min. 15⁰ C.
Pour the entire contents of the package with component B into the package with component A. Stir with a low-speed mixer for about 3 minutes. (in order to avoid excessive aeration of the material, it is recommended to use a stirrer with a speed of about 300 rpm .) Pour the material into a clean container and mix again for about 2 minutes.
Due to the occurring chemical reaction, the material should be applied immediately after mixing. Do not leave mixed material in the package.

SHELF LIFE 10 ⁰ C	40 - 45 min.
SHELF LIFE 20 ⁰ C	20 - 25 min.
SHELF LIFE 30 ⁰ C	10 - 15 min.

It should be remembered that coatings exposed to long-term UV radiation may discolor locally, which will not affect their other properties.

BASE

REQUIREMENTS:

MAKING	The concrete substrate should be made in accordance with the relevant normative documents
CONCRETE CURING	min. 28 days
HUMIDITY	max. 5% by weight (it is recommended to take a concrete sample and then weighing it before and after roasting in the oven)
TEMPERATURE	min. 10 ⁰ C
PULL-OFF STRENGTH	~ 1.5 MPa (pull -off test)

CLEANING TOOLS

Tools should be cleaned immediately after use with water and detergent or with a solvent such as acetone or xylene.

LOAD

	PEDESTRIAN MOVEMENT	LIGHT LOAD	FULL LOAD
SURFACE TEMPERATURE 10 ⁰ C	~ 72 h	~ 6 days	~ 10 days
SURFACE TEMPERATURE 20 ⁰ C	~ 24 h	~ 4 days	~ 7 days
SURFACE TEMPERATURE 30 ⁰ C	~ 12 h	~ 2 days	~ 5 days

SAFETY

AQUAPLAST 200 should only be used in ventilated areas . Avoid contact with skin and eyes. During the application, it is absolutely recommended to use protective glasses, gloves and work clothes. During the works, it is forbidden to use open fire, and also to conduct any works that are its source. Detailed information on safety and environmental protection is available in the AQUAPLAST 200 component A and AQUAPLAST 200 component B Material Safety Data Sheets, which you must read carefully before each use of the product.

FINAL NOTES

The above information about the product **AQUAPLAST 200** , and in particular the proposed areas of application and methods of application, have been given in good faith based on our current knowledge;

The technical data mentioned above is based on laboratory research and testing;

Due to the lack of control over the actual conditions and quality of the application and the way of using the product, **TECHNIART** reserves that the data contained in this technical data sheet cannot constitute the basis of **TECHNIART**'s liability;

Due to the multitude of possible applications of **AQUAPLAST 200**, we would like to point out that it is not itself a construction product within the meaning of the relevant legal regulations;

The **AQUAPLAST 200** product is a component of the certified and CE marked construction product **TECHNIART FLOOR SYSTEM 200 AQ** offered by **TECHNIART**;

With the issue or update of this technical sheet, the previous ones lose their validity.