

TECHNICAL DATA SHEET

TECHNIPLAST 400 variant 400 and 400 UVLS

Two-component, colorless, constructional epoxy resin

CHARACTERISTIC

Low viscosity.

High transparency.

In the TECHNIPLAST 400 UVLS variant, thanks to the use of the HALS light stabilizer, UV radiation blocker and optical brightener - it is characterized by almost perfect transparency, as well as even higher resistance to light and UV radiation.

Chemical and mechanical resistance.

Ease of application.

A universal product with a wide range of applications.

PURPOSE

TECHNIPLAST 400 is a universal two-component epoxy resin with a very wide application in many industries and in construction. Most often used, among others, for:

making resin and quartz floors, backfilled and floated;

preparation of epoxy-quartz screeds;

preparation of leveling mortars;

making epoxy-glass laminates;

making epoxy-carbon laminates;

making small casts;

art works;

production of conglomerates with different filling.

COMPOSITION

Component A	-	modified epoxy resin
Component B	-	hardener for epoxy resin
Mixing ratio	-	100 : 50

PACKAGING

1.5 kg	-	Component A 1, 1.0 kg
	-	Component B 0.5 kg
3.0 kg	-	Component A 2.0 kg
	-	Component B 1.0 kg
7.5 kg	-	Component A 5.0 kg
	-	Component B 2.5 kg
15 kg	-	Component A 10 kg
	-	Component B 5 kg
30 kg	-	Component A 20 kg
	-	Component B 10 kg
300 kg	-	Component A 200 kg
	-	Component B 100 kg
600 kg	-	Component A 400 kg
	-	Component B 200 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	-1.13 kg / dm ³ (+25 °C)
DENSITY Component B	-1.05 kg / dm ³ (+25 °C)
DENSITY Component A + B	-1.09 kg / dm ³ (+25 °C)
EFFLUX TIME A + B	-30 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%

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.

TIME OF WORK WITH THE PRODUCT ON THE GROUND:

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. 4% 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 a solvent such as acetone or xylene.

LOAD

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

SAFETY

TECHNIPLAST 400 should only be used in ventilated rooms. 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 Technical Data Sheets **TECHNIPLAST 400**, **TECHNIPLAST 400 UVLS**, which should be read carefully before each use of the product.

FINAL NOTES

The above information about the **TECHNIPLAST 400 product**, 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 are 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 the **TECHNIPLAST 400 product**, we would like to point out that it is not a construction product in itself within the meaning of the applicable law.

The **TECHNIPLAST 400 product** is one of the components - the certified and CE marked - **TECHNIART FLOOR SYSTEM 400** construction product offered by **TECHNIART**.

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