

Product 02277201 or 02277210

1-COMP-BINDER for area elastic TENNIS RedClay courts

1 General Data

Application Fields

PORPLASTIC T772 is used as a binder for elastic sports surfaces for area elastic tennis courts.

Product Description

PORPLASTIC T772 is a transparent, solvent free single component prepolymeric binder of medium viscosity. It is suitable for high and low temperature applications. The defined viscosity of PORPLASTIC T772 effects an excellent mixing with the clay chippings while there is hardly any run-off. Another characteristic is the long curing and therefore application time allowing day construction joints to be easily and correctly done. PORPLASTIC T772 is moisture curing.

Sports Surfacing Systems

Binder for
 PORPLASTIC *TENNIS RedClay*
 PORPLASTIC *TENNIS RedClay pro*

Technical Support

For detailed descriptions of VIACOR systems see VIACOR system data sheets or contact our technical support.
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(A) Technical Data

Liquid (Binder)

1. Density (23°C) (DIN 53217)	1.06 g/cm ³
2. Viscosity (23°C)	approx. 3 000 mPas
3. Packing size	215 kg drum 1000 kg IBC
4. Colour	transparent - yellowish
5. Shelf life / Storage	12 months at 10–25°C avoid direct sunlight
6. NCO content (DIN 53185)	approx. 9 %
7. Substrate and application temperature	10-35°C (min. 3°C above dew point)
8. Permissible relative humidity	min. 40% – max. 90%
9. Can be walked on (12°C + 65% rel. hum.) (23°C + 50% rel. hum.) (30°C + 75% rel. hum.)	after 12 hours after 6 hours after 4 hours
10. Material consumption (ppw) OUTDOOR (30 mm thickness) binder PORPLASTIC T772 with clay chippings INDOOR (25 mm thickness) binder PORPLASTIC T772 clay chippings	approx. 8–10 % binder 2.9 – 3.8 kg/m ² 36-38 kg/m ² 2.5 – 3.4 kg/m ² 32-34 kg/m ²

Manufacturer:

VIACOR Polymer GmbH, Graf-Bentzel-Str. 78, D-72108 Rottenburg, Tel. +49/7472-94999-0, info@viacor.de, www.viacor.de

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2 Processing Instructions

Substrate Preparation

New tennis courts must be installed to dry, water permeable and load bearing substrate. The Installation can be done on an unbound sub-base or an existing and prepared tennis court (the top 2-3 cm have to be removed). It can also be installed on hard substrates as asphalt, concrete (here we recommend the application of a thin elastic layer with rubber granules) or on old artificial turf (after filling completely with quartz sand).

There is no primer necessary.

Processing

The binder is mixed with dry clay chippings. Use a forced mixer rotating at approximately 300 rev/min for 3 – 5 minutes. Ensure that the mixer reaches the sides and bottom areas of the mixing vessel. Processing temperature should be between 15 – 25°C.

The mixture is then spread on the prepared substrate and carefully compacted in order to achieve good surface strength by using a specially designed paving machine.

Construction joints are not necessary.

The mixing ratios have to be kept as otherwise a decrease in mechanical characteristics will be the consequence.

Do not use wet clay chippings, otherwise the curing time may be reduced and installation made impossible.

Influence of temperature and humidity:

At low temperatures and humidity, the speed of reaction of the binder is reduced resulting in a longer pot life, re-coating interval and open time. The viscosity increases requiring increased mixing time and a higher consumption of binder. In contrary the speed of reaction is accelerated at high temperatures and humidity and the converse is true.

When the humidity is below 40% the mat may be sprayed with water to avoid unacceptable curing times, which could impair the quality of the elastic layer.

Topping

Finally, approx. 4 kg/m² clay sand (0-2 mm) is distributed on the surface.

Safety Instructions

For health and safety protection, transport regulations and waste management please consider the Material Safety Data Sheet. Users are advised to wear gloves and eye protection when mixing or applying the product. PORPLASTIC T772 is non-hazardous in its cured condition.

Disclaimer

All information in this technical data sheet is based on our current knowledge and experience. This does not release the applicator from performing their own tests as many application factors, beyond our control, affect the application of our product. No guarantee of characteristics or suitability for a special purpose can be derived from this information. All present data, descriptions, drawings, photos, ratios, weights etc. are subject to change without prior notice and do not represent contracted characteristics of the product.

Due to different materials, sub-bases and working conditions, no guarantee of an application result or any liability claims can be derived from these details or from an unwritten technical advice except for liability claims based on:

-damage to life, body or health resulting from a negligent violation of obligations or a deliberate or negligent violation of obligation of a legal representative or assistant and

-if we are charged with intention or gross negligence.

The user has to test the products for their intended use. The user is responsible for following existing laws and orders and for observing third party trade mark rights.

As all VIACOR data sheets are updated on a regular basis it is the users responsibility to obtain the most recent issue (see www.viacor.de or contact us directly).

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