

WeTraffic 497

Roller-applied marking



Brief description

WeTraffic 497 is an innovative road marking system. Special fillers have been added to make the system very easy to apply using a textured roller. The texture, which is similar to that of an irregular agglomerate, means that skid-resistant agents can be dispensed with. The WeTraffic 497 marking system has been tested on a rotary wear simulator (BAST (RPA)) in compliance with DIN EN 13197:2014 and meets the requirements of traffic class P7 (4 million rollovers) in accordance with DIN EN 1436: 2018. The marking system can be applied on public roads as type II markings.

Material

2-component, fast-curing and filled PMMA (polymethyl methacrylate) cold plastic with a particle size that acts as a guide to layer thickness

Properties and advantages

- Maximum abrasion resistance
- Maximum anti-skid properties
- Permanently weather-resistant (UV-, hydrolysis- and alkali-resistant)
- Chloride-resistant
- Test certificate in accordance with DIN EN 1436: 2018 "Road marking materials – Road marking performance for road users"
- Easy and fast application
- Fast-curing
- Solvent-free
- Grip: *

R class: R13 (determined according to DIN EN 16165:2023-02 Annex B)

V class: V8 (determined in accordance with DIN 51130:2023-03)

SRT value: > 65 (determined in accordance with DIN EN 13036-4:2011-12)

* The specified values were determined in the laboratory on a test plate and may differ considerably in comparative measurements. It should be noted that only a small range can be measured with these methods. This should be taken into account in particular for rough surfaces (over 1.2 mm according to the volumetric method) when deciding on the applicability of this method. It is therefore recommended to consult with the client/planner in advance and, if necessary, to create a test area.

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Areas of application

WeTraffic 497 is used as a type II road marking system on public roads. Among other things, the system is suitable for marking pedestrian crossings (zebra crossings).

Pack size



Summer:

15.00 kg WeTraffic 497
0.20 kg Wekat 900 catalyst
 15.20 kg

Winter:

15.00 kg WeTraffic 497
0.40 kg Wekat 900 catalyst
 15.40 kg

Standard colours

1023 Traffic yellow
 White
 Other colours are available on request

For production reasons there may be some colour variation between individual batches and the available RAL colour charts. We therefore recommend using products from the same batch for any one project.

Storage

Store products sealed in their original airtight container and in a cool, dry and frost-free place. The unopened products have a shelf life of at least 12 months after delivery. Direct sunlight on the containers should be avoided, including on site. After removing some of the contents, reseal the containers so they are airtight.

Application conditions



Temperatures

The product can be applied within the following temperature ranges:

Product	Temperature range, in °C		
	Air	Substrate*	Material
WeTraffic 497	+3 to +35	+3 to +40*	+3 to +30

* The substrate temperature must be at least 3 °C above the dew point during application and curing.

Humidity and moisture

The relative humidity must be ≤ 90 %.
 The surface to be coated must be dry and ice-free.
 The surface must be protected from moisture until the coating has hardened.

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Reaction times and required amounts of catalyst

	WeTraffic 497 (at 20 °C, 1.5% Wekat catalyst)
Pot life	approx. 12 minutes
Rain-proof	approx. 30 minutes
Walkable/overlayable	approx. 45 minutes
Fully cured	approx. 2 hours

Higher temperatures or greater proportions of catalyst will shorten reaction times, while lower temperatures and smaller proportions of catalyst will extend reaction times.

The following table indicates the recommended amount of catalyst required to adjust the curing reaction to the temperature.

Product	Substrate temperature in °C; required amounts of catalyst in % w/w (guide)											
	-10	-5	+3	5	10	15	20	25	30	35	40	45
WeTraffic 497	-	-	3%	2%	2%	1,5%	1,5%	1,5%	1%	1%	1%	-

Consumption rates

Substrate

Smooth

Consumption

approx. 3.50 kg/m²

Surface treatment

Sovitec, Echostar 30 BCP (with test certificate)

Swarco SolidPlus 100

Consumption

approx. 300 g/m²

approx. 450 g/m²

Technical data

Density:

1.75 g/cm³

Product application



Application equipment / tools

For mixing the product:

- Twin-paddle stirrer

For applying the product:

- Smoothing trowel

Surface treatment:

- Textured roller



Mixing

First stir the tub contents thoroughly.

Then add the catalyst while stirring at the slow-speed setting and mix for 2 minutes. Make sure that the product on the base and sides of the container is incorporated.

At product temperatures < 10 °C the product should be stirred for 4 minutes, as the catalyst will take longer to dissolve.

Application

The mixed material is evenly distributed with the smoothing trowel and drawn off over the guide grain and re-rolled with the textured roller.



Product information sheet

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Cleaning

If work is interrupted or when it is completed, clean the tools thoroughly with WestWood Cleaning Agent within the pot life of the material (approx. 10 minutes). This can be done with a brush. Do not use the tools again until the cleaning agent has evaporated fully.

Simply immersing the tools in the cleaning agent will not prevent the material from hardening.

Information on safety and risks

Please refer to the safety data sheets for the products used.

General information

The above information, especially information about application of the products, is based on extensive development work as well as many years of experience and is provided to the best of our knowledge.

However, the wide variety of requirements and conditions on site mean that it is necessary for the applicator to test the product to ensure that it is suitable for the intended purpose. Only the most recent version of the document is valid. We reserve the right to make changes to reflect advances in technology or improvements to our products.

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