Plastifloor[®] 465 (GB)

Produktionsgesellschaft mbH

Methacrylate Resin for Durable Cold Plastic Road Markings

Description	 low viscosity methacryl based on cold plastic permanently elastic and viscosity of ready formute versatile use as: flat linities recommended surface good wetting properties for use in cold and ward 	ate resin used as a binder for d is processed without plastici ulated material is stable over a e, profiled and structure marki temperature for application is s for fillers and pigments m climates	permanent markings zers a long period ings between 5°C and 45°C
Application	 markings at junctions a centre markings on free manual application by t 	nd crossings, stop lines and c eways and highways rrowel and draw box	lirection arrows
Equipment	 manual application by t application by hand gui application by 2-compo application by draw box markings 	rowel and draw box ided machines onent extrusion machines with k (100:2 system), even for pro	100:2 dosing filed and structure
Properties	 suitable for high tempe permanently elastic resistant to ageing and colorfast abrasion-proof resistant to de-icing sal low tendency to graying 	ratures weathering It and fuels	
Technical Data		1	
	Form supplied in		liquid
	Efflux time at 23 °C	ISO 2431	75 – 95 s/4 mm
	Viscosity at 23 °C	Brookfield LVDV II+	approx. 250 mPa·s
	Density at 20 °C	DIN 51757	0.97 g/cm3

Plasti Chemie Produktionsgesellschaft mbH	Τe
Falgardring 1	Te
D – 08223 Falkenstein / Germany	

Flash point

Shelf life

Bundle

Telefon: +49 (0) 37 45 / 744 32-0 Telefax: +49 (0) 37 45 / 744 32-27

DIN 51755

(dark at <20 °C)

+ 11 °C

min. 6 months 180 kg drums

25 kg, 10 kg pails

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Typical formulations:

465 – 1

For hand, draw box or machine application

1,5 - 3 mm 100:2 system flat

		pbw
Binder / Resin	Plastifloor [®] 465	20.00
Dispersing Additive	Tego Dispers 670	0.10
Rheology Additive	Byk 410	0.10
Rheology Additive	Bentone 27	0.10
Pigment (TiO ₂)	Tioxide TR 92	10.00
Fine filler (15µm)	Omyacarb 15GU	20.00
Coarse filler (0.1 – 0.4mm)	Cristobalite M72	25.00
Premix beads	50 – 250 µm	25.00

Viscosity test method (23°C):

Blot test for CP: Daniel flow gauge: Shore D hardness (DIN 53505)

between 8 – 9 cm between 13 - 14 50 - 60

Density: Consumption:

1.85 kg/l approx 3.7 kg/m² for 2 mm thickness

465 – 2

Application with suitable machines with profile function

up to 7 mm 100:2 system profile

		pbw
Binder / Resin	Plastifloor [®] 465	20.00
Dispersing Additive	Tego Dispers 670	0.10
Rheology Additive	Byk 410	0.20
Rheology Additive	Bentone 27	0.30
Pigment (TiO ₂)	Tioxide TR 92	10.00
Fine filler (15µm)	Omyacarb 15GU	20.00
Coarse filler (0.1 – 0.4mm)	Cristobalite M72	25.00
Premix beads	50 – 250 µm	25.00
Viscosity test method (23°C)):	
Blot test for CP:	approx. 6 cm	

Daniel flow gauge: Shore D hardness (DIN 53505)

approx. 6 cm between 10 - 12 50 - 60

Density:1.85 kg/lConsumption:4 - 6 kg/m² depending on used profile

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up to 7 mm					wdq
100:2 system	Binder / Resin		Plastifloor [®] 465		20.00
structure	Dispersing Additive		Tego Dispers 670		0.10
	Rheology Additive		Byk 410		0.20
	Rheology Additive		Bentone 27		0.30
	Pigment (TiO ₂)		Tioxide TR 9	92	10.00
	Fine filler (15µm)		Omyacarb 1	I5GU	25.00
	Premix beads		100 – 600 µ	m	25.00
	Daniel flow gauge: Shore D hardness	(DIN 53505)	between 1 40 - 50	0 - 12	
	Consumption:		1.85 kg/l 1.5 - 3 kg/l	m ² depending o	n used structure
Initiator/Hardener	Hardener nowder 5				
		0000 (50% BF	PO), tempera	ature dependent	t.
Pot Life and Setting Time	Typical formulation Approved hardene	s 465 – 1, 46 r: Hardener p	PO), tempera 65 – 2 and 46 bowder, as a	ature dependent 65 – 3 proportion of to	t. tal formulation
Pot Life and Setting Time	Typical formulation Approved hardened Temperature (°C) (surface)	5000 (50% BF s 465 – 1, 46 r: Hardener p Hardener (5 (% by weigh	PO), tempera 65 – 2 and 46 bowder, as a 0% DBPO) t)	ature dependent 65 – 3 proportion of to Pot life (min)	t. tal formulation Setting time (min)
Pot Life and Setting Time	Typical formulation Approved hardener Temperature (°C) (surface) +10	5077 (50% BF s 465 – 1, 46 r: Hardener p Hardener (50 (% by weigh 3	PO), tempera 65 – 2 and 46 bowder, as a 0% DBPO) t) 5.0	ature dependent 65 – 3 proportion of to Pot life (min) 14	t. tal formulation Setting time (min) 45
Pot Life and Setting Time	Typical formulation Approved hardened Temperature (°C) (surface) +10 +10	5000 (50% BF s 465 – 1, 46 r: Hardener p Hardener (5 (% by weigh 3 2	PO), tempera 55 – 2 and 46 bowder, as a 0% DBPO) t) 3.0 2.0	ature dependent 55 – 3 proportion of to Pot life (min) 14 18	t. tal formulation Setting time (min) 45 50
Pot Life and Setting Time	Typical formulation Approved hardener Temperature (°C) (surface) +10 +10 +20	5000 (50% BF s 465 – 1, 46 r: Hardener p Hardener (50 (% by weigh 3 2 2 2	PO), tempera 55 – 2 and 46 bowder, as a 0% DBPO) t) 3.0 2.0	ature dependent 55 – 3 proportion of to Pot life (min) 14 18 10	t. Ital formulation Setting time (min) 45 50 30
Pot Life and Setting Time	Typical formulation Approved hardened Temperature (°C) (surface) +10 +10 +20 +20	5000 (50% BF s 465 – 1, 46 r: Hardener p Hardener (50 (% by weigh 3 2 2 2 2 1	PO), tempera 55 – 2 and 46 bowder, as a 0% DBPO) t) 8.0 2.0 2.0 .0	ature dependent 65 – 3 proportion of to Pot life (min) 14 18 10 15	t. tal formulation Setting time (min) 45 50 30 35
Pot Life and Setting Time	Typical formulation Approved hardener Temperature (°C) (surface) +10 +10 +20 +20 +30	5000 (50% BF s 465 – 1, 46 r: Hardener p Hardener (5 (% by weigh 3 2 2 2 1 1	PO), tempera 55 – 2 and 46 50 wder, as a 0% DBPO) t) 8.0 2.0 2.0 .0 .0	ature dependent 55 – 3 proportion of to Pot life (min) 14 18 10 15 8	t. tal formulation Setting time (min) 45 50 30 30 35 20
Pot Life and Setting Time	Typical formulation Approved hardener Temperature (°C) (surface) +10 +10 +20 +20 +30 +30	5000 (50% BF s 465 – 1, 46 r: Hardener p Hardener (56 (% by weigh 33 22 2 2 1 1 1 0	PO), tempera 55 – 2 and 46 bowder, as a 0% DBPO) t) 3.0 2.0 2.0 .0 .0 .0 .5	ature dependent 65 – 3 proportion of to Pot life (min) 14 18 10 15 8 12	t. tal formulation Setting time (min) 45 50 30 30 35 20 30
Pot Life and Setting Time	Typical formulation Approved hardener Temperature (°C) (surface) +10 +10 +20 +20 +30 +30 +40	5000 (50% BF s 465 – 1, 46 r: Hardener (5 (% by weigh (% by weigh 3 2 2 2 2 1 1 1 0 0 0	PO), tempera 55 – 2 and 46 bowder, as a 0% DBPO) t) 3.0 2.0 2.0 .0 .0 .0 .5	ature dependent 65 – 3 proportion of to Pot life (min) 14 18 10 15 8 12 6	t. tal formulation Setting time (min) 45 50 30 30 35 20 30 18

data concerning our products and devices as well as concerning our data and procedures are based on an extensive research work and an application technology experience. We obtain these results, with which we do not take over adhesion going beyond the respective single contract, in word and writing after best knowledge, reserve ourselves we however technical changes in the course of the product development. Beyond that our application technology service stands when desired for large consultation as well as for co-operation with the solution manufacturing and application technology problems for order. That does not relieve the user however to examine our data and recommendations before their use responsible for the own use. That applies - particularly for deliveries to foreign markets - also regarding the keeping of patent rights third as well as for applications and procedures, which are not expressly in writing indicated by us. The case of loss our adhesion is limited to indemnifications of same extent, as they plan our general terms of delivery and sales with lack of quality.

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