

BILAFLOOR® D651

2C EP Floor and Wall Paint

Water-dilutable

Product Description

Environmentally friendly, water-dilutable two-pack paint on epoxy resin basis, with low solvent content and little odour, for durable, chemical-resistant coating. Bilafloor D651 stands out thanks to high film build, excellent coverage and staying quality, good chemical stability as well as being easy to clean and decontaminate (decontamination certificate). The coating resists to frost as well as to salt used in thawing.

Areas of Application

Floor and wall coating, e.g. in public buildings, civil defence areas, storage depots, factories, power stations, tunnels, subways, drying- and basement rooms, workshops, etc.

Application

Rolling, brushing, conventional and airless spraying.

Do not apply at temperatures below + 5 °C. The surface temperature must be at least 3 °C above dew point to prevent condensation during application.

Method of application	Dilution	Nozzle	Pressure
Brushing, rolling	1 st coat max. 10% 2 nd coat max. 5% water		
Conventional spraying	same as for brushing/rolling	1.8 - 2.1 mm	ca. 3 - 4 bar
Airless spraying	same as for brushing/rolling	0.38 - 0.43	160 bar

Coating System: Concrete, Abrasion, Masonry, Eternit

1st coat diluted with max. 10 % water, depending on the substrate. Humidify additionally porous substrates with water.
2nd coat non-diluted, max. 5 % with water depending on use.

Exceeding the potlife is not visible. After exceeding the potlife, Bilafloor D651 may no longer be applied, as faults may arise in the consistency, the drying and the gloss finish. The temperature has a bearing on the potlife: an increase in temperature of 10° C causes a reduction in potlife of approximately 50 %!

Special Notes

Our instructions are referring to normal climate 23/50. The information contained in this technical data sheet is based on general technical standards and is meant for specialists. Any changes in the recommended operating procedures or specified environmental conditions may have a significant impact on the results. Our guarantee covers only the quality of the material supplied. We do not accept any responsibility for the application. In case of doubt, we recommend to contact our Technical Service. Our products are under constant development. Therefore, please note the date of issue of our technical data sheet and ask for latest edition (also available directly from our website).

Safety Measures

Ensure that ventilation is adequate. Do not inhale vapours. The Safety Data Sheet as well as the general regulations regarding work hygiene and operational measures must be observed.

Technical Data

Binder	Epoxy resin
Finish	Satin gloss
Color	RAL 7035 (from 20 kg) color chart RAL (from 100 kg):
Substrate	Concrete, cement flooring, synthetics-tempered hydraulic mortar, fibre cement, previous load bearing coats, e.g. emulsion-one and two-pack enamel finishes (prior test). Prime metals with Biladur EP C90. Mineral bases must be set, clean, dry, free of grease and dust. Loose particles and layers of sinter must be removed.
Thinner	Water
Packaging	Pigment: 5 kg disposable container Hardener: 5 kg disposable container
Storage	24 months at 20 °C (unopened containers). Protect material from frost.
Waste disposal	Residues and expired material are considered as special refuse and are to be taken to the toxic waste disposal unit, VeVa-code 08 01 12 S.

Components	2
Hardener	H651
Mixing ratio	1 : 1 wt.-parts
Potlife	150 min. @ 15 °C 120 min. @ 20 °C
Drying (23 °C)	Passable after approx. 15 hrs Recoating after approx. 15 hrs Mechanically/chemically fully claimable after 8 - 12 days
Drying	Drying times depend on film thickness, base, and air temperature. During application, relative humidity should not exceed 80%, to avoid spotting.

Solids content	by weight: 62 %
Solids content	by volume: 44 %
Density (20 °C)	approx. 1.40 kg/l
Theoretical consumption	approx. 170 g/m ² @ 60 µm
Practical consumption	150 - 250 g/m ² per coat, depending on the substrate

	Bilafloor D651	Hardener H651
VOC value	0 %	< 3 %

(replaces issue 03.08)

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