COATING PU SG COLOURED

Quartzline Coating PU SG Coloured is a two-component, waterborne, coloured polyurethane coating for a satin gloss finish. Among other uses, it is suitable as a topcoat for Quartzline SL-PU D60, SL-PU D70 and SL-PU D30. Suitable for public areas such as laboratories, offices, corridors, canteens, schools, hospitals, showrooms, museums and town halls.

Coating PU SG Coloured provides a UV-resistant coloured finish, has very good wear resistance and bacteriostatic properties. Use 3% to 5% Quartzline Antislipkorrel KFU to obtain an anti-slip layer.



CE

CE according to EN 13813 (DoP04SGCO015).

FEATURES

- Waterborne
- Aliphatic
- UV-resistant
- Easy to clean
- Low VOC content, compliant with AgBB
- Highly wear-resistant
- Bacteriostatic
- Virtually all colours possible

TECHNICAL PROPERTIES

Property	Unit	Value
Viscosity[1]	mPa·s	450 – 550
Density[2]	g/cm³	1,08
Abrasion resistance[3]	mg	ca. 23
Solids content	%	39
Adhesion strength[4]	N/mm²	> 1.5 (concrete failure)

[1] Brookfield, LV3, 30 RPM, @ 23 °C [2] ISO 2811-1, +23 °C / 50% R.H [3] Taber Abrasion, CS10, 10 N, 1000 cycles [4] EN 4624, 14 days / +23 °C / 50% R.H

APPLICATION CONDITIONS

Substrate temperature	Minimum 10 °C, maximum 25 °C
Ambient temperature	Minimum 10 °C, maximum 25 °C
Relative humidity	< 70% R.H.
Dew point	Min. 3 °C above the dew point

The temperature of the substrate and of the uncured material must be at least 3 °C above the dew point to prevent the risk of condensation or white bloom on the finish.

SUPPLY FORM

Component	Consistency	Appearance
A	Liquid	Coloured
B	Liquid	Clear transparent

SET SIZES

Set size	Component A	Component B	Packaging
1 kg	0,91 kg	0,09 kg	Can + can
2,5 kg	2,275 kg	0,225 kg	Jerry can + bottle
5 kg	4,55 kg	0,45 kg	Jerry can + bottle

Mixing ratio A : B = 91 : 9 (parts by weight). Each set contains one component A and one component B.

STORAGE & SHELF LIFE

Shelf life	Up to 6 months from production date
Packaging	Original, sealed, unopened and undamaged
Storage conditions	Dry, between 5 °C and 30 °C

SURFACE PREPARATION

Coating PU SG Coloured is applied on an existing floor, such as SL-PU D60, SL-PU D70 and SL-PU D30.

The floor must be sound, dry and completely clean.

Always carry out an adhesion test if the floor is older than 48 hours, and always beforehand in case of doubt.

CONSUMPTION

The consumption of Quartzline Coating PU SG Coloured is 125 – 150 g/m².

MIXING

Mixing ratio component A : component B = 91 : 9 (parts by weight).

While stirring, add component B completely to component A and mix for 3 minutes until homogeneous. Allow the mixture to pre-react for 10 minutes. Then pour the mixture through a sieve into a clean bucket and mix intensively again for at least 1 minute to avoid unmixed material at the side and bottom.

If Antislipkorrel KFU is required (3% to 5%), add it at this stage and mix again for 30 seconds.

Keep the mixing paddle fully below the liquid level during mixing and use the correct paddle: for 1 set a WK 70 in a 5-litre bucket, for 2 sets at once a WK 70 in a 10-litre bucket and for 3 sets at once a WK 90 in a 20-litre bucket.

Mix at the highest possible speed for the best possible emulsification. A clear vortex should form in the centre during mixing, but the coating must not slurp or splash; in that case reduce the speed slightly.

APPLICATION

Check the R.H. and the dew point before application.

Coating PU SG Coloured is a very fast-drying coating: take this into account.

Pour a small amount of mixed material into a bucket and cut in the edges with a brush and a 10 cm microfibre roller. Do not work too far ahead, to avoid premature drying and therefore lap marks.

Depending on the size of the room, use a 25 cm or 50 cm microfibre roller. Pour out a puddle and spread from this point. Apply the coating quickly and evenly and always work wet-on-wet.

Keep draughts to a minimum during application and keep windows and doors closed to prevent the coating from drying too quickly. After application and levelling, ventilate well to prevent the air from becoming saturated with water vapour. Without ventilation the coating stays wet for too long, which can lead to surface defects and insufficient film formation. Provide extra ventilation in rooms that are difficult to ventilate, such as bathrooms.

Make sure no glittering, glossy spots remain due to the roller picking up the coating.

Note that the end of the pot life is not noticeable.

For extra wear resistance and extra UV protection, an extra layer of Coating PU SG NF Matt or Satin Gloss can be applied.

CURING TIME

Pot life	10 °C	40 min
	20 °C	30 min
	30 °C	20 min
Dust dry	20 °C	2 hours
Walkable	20 °C	24 hours
Light load	20 °C	48 hours
Fully cured	20 °C	7 days

The times stated apply under normal conditions at 20 °C. Higher temperatures may shorten these times and lower temperatures may extend them.

REMARKS

- Protect the finished floor from vapour, condensation and water for at least 7 days (at 20 °C).
- Unevenness in the substrate and trapped dirt remain visible after applying a thin seal layer.
- Applying in phases and using different batch numbers within one project can lead to slight colour differences. Always order all material for one project at once.
- Bright colours such as red, orange, yellow and blue may rub off in the dried coating. Therefore, provide these colours with a transparent top layer, such as Coating PU SG NF Matt or Satin Gloss.
- White and very light grey shades show slightly lower resistance to coffee and red wine. Here too, an extra topcoat provides an improvement.
- During curing, the relative humidity must not exceed 70%. Ensure sufficient ventilation with fresh air to remove excess moisture; in saturated air the film cannot dry.
- If heating is required, use only electrically powered hot-air blowers. Do not use any underfloor heating that may be present.
- Assess and treat cracks properly to prevent recurring cracking.
- Coating PU SG Coloured has low plasticiser resistance (car tyres, rubber, carpet backing).

CLEANING / MAINTENANCE

Remove spilled contaminants as soon as possible and clean the floor regularly for durable maintenance, using suitable cleaning agents and brushes, scrubber-dryers, rubber squeegees or high-pressure cleaning.

Clean with lukewarm water, never with hot water (above 40 °C).

BASIS OF VALUES

All technical data in this product data sheet is based on laboratory tests. Data may change depending on the conditions.

HEALTH AND SAFETY

For information and advice on the safe handling, storage and disposal of chemical products, the user should consult the most recent safety data sheet (SDS), regarding the physical, ecological, toxicological and other safety-related data.

LEGAL NOTICE

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