

DenCoatTM

Tomorrows Floors Today



DencrylTM

DencrylTM · DenpoxTM · DenpurTM · DencreteTM

Dencoat™ Ultimate Industrial floors



Specific individual needs coupled with time sensitive deadlines requires special knowledge and specialised products to cover all modern flooring needs. The advice given should always represent the best solution to satisfy your demands!

Selecting the correct type of floor is just one aspect in finding the optimal solution. Trusting the company who is advising, supplying and installing the end product is even more important.

Some resin based floors currently on the market do not live up to their customers expectations. This is not surprising considering there are so many different

products available. Specifying an Dencoat™ floor ensures the most appropriate floor is installed first time. Our floors have been installed successfully throughout Europe, North America, Australia and in many of countries.

Industrial floor toppings and coatings

Dencoat™ has a strong experience in manufacturing and installing resin based flooring systems, and is renowned as one of the leading experts in the field. Our wide range of product and global market knowledge enables us to provide tailor made solutions to meet your specific needs. With our latest

technological developments in epoxy, polyurethane and MMA resin systems, Dencoat™ systems strives to provide the ultimate of what can be achieved.

From the idea...

to the drawing board and through to completion, Dencoat™ is your most experienced and qualified partner. We provide fully integrated and complete systems, customised and installed by an Dencoat™ group company or by one of our Dencoat™ certified contractors.

Dencryl™

-ready in no time to last a life time...

Dencryl™ is a seamless resinbased floor with quite unique properties. The popularity is due to the fact, that Dencryl™ is hardwearing, flexible and resistant to a wide range of chemicals, thanks to the unique characteristic of the acrylic binder.

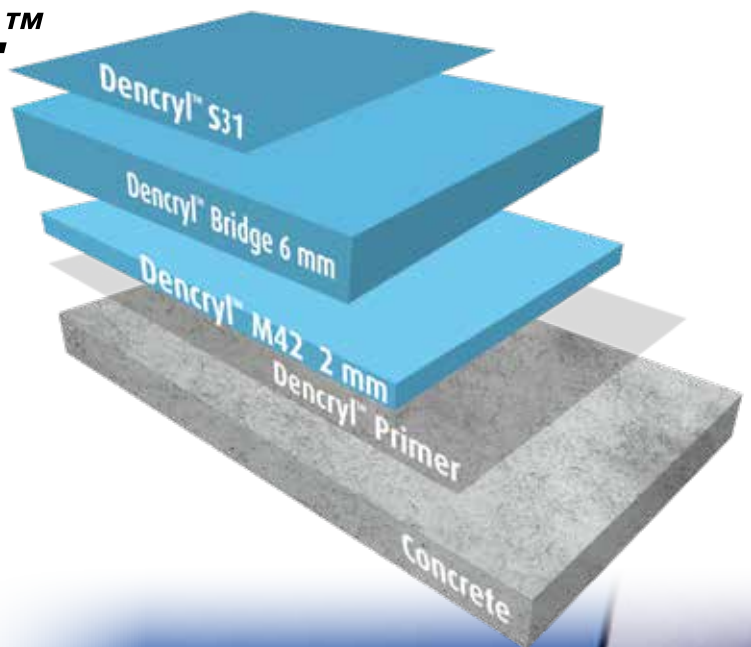
Dencryl™ floors can be made in as many attractive colours as you want. Surface textures range from smooth to slip resistant. Dencryl™ is laid in large seamless areas without any risk of cracking or spalling. Special designs can be applied according to the individual company's wishes for special effects like build-in names and logos.

Curing time 2 hours

One of the most important features by Dencryl™ is the short curing time. After two hours the floor can withstand maximum wear. Dencryl™ can be applied in thin layers - as well as thick - corresponding to the wear and traffic on site.

Dencryl™ flooring is recognised by thousands of end-users, architects and consulting engineers to solve flooring problems for a wide range of industries within sectors of - for instance foodprocessing, health, shipping, energy, electronics, printing and transportation.





Dencryl™ Bridge (6-10 mm)

3-component acrylic flooring system. Recommended for indoor and outdoor areas, which are subject to extremely heavy mechanical charges, and is therefore used for road bridges, parking decks, driving ramps, loading areas, indoor industrial areas with exceptionally heavy charges, or other places where a floor with extremely high resistance to wear and strokes is required.

Benefits

- Weatherproof & UV resistant
- Nonslip finish
- Seamless and flexible finish
- Damp proof membrane layer
- Very good chemical resistance
- Fast installation
- Curing down to -30°C
- Low maintenance cost

Scope of use

- Road bridges
- Parking decks
- Driving ramps
- Loading areas



Appearance

Dencryl™ Bridge is a rough singlecoloured bridge covering system.

Life Expectancy

10 - 20 years.

Application

For all types of exterior use and extremely heavy loaded industrial floors, in combination with high demands to flexibility. Dencryl™ Bridge offers high wearability, impact and chemical resistant. The very fast curing of Dencryl™ Bridge means, that eventual traffic blocking time is minimized while installing the system.

Application conditions

Temperature -30°C to 30°C, best 15 to 25°C, max. moisture content in the concrete subfloor 5% by weight.

Temperature Resistance

Dencryl™ Bridge is resistant to temperature cycles up to 80°C. Extended periods at these temperatures and above will make material susceptible to chemical attack and abrasion wear.

Slip resistance

Dencryl™ Bridge appears slip resistant. The skidresistance might be varied from moderate to pronounced.

Colours

See separate color chart.



Properties

Properties	Value
Fully cured at 20°C	24 hours
Applied thickness	6 - 10 mm
Water Permeability	Nil – Karsten test (impermeable)
Hardness	SHORE D 80
Compressive strength	85 MPa
Reaction to fire	D _{fl} -S ₁
Bond strength	>1.5 MPa
Temperature resistance	Up to 80°C at 4 mm
Thermal expansion coefficient	<40 ppm
Abrasion resistance	50 mg / 1000 cycles (Taber Abrader)
Thermal conductivity	< 0,8 W/m·K
Slip resistance	R9 – R13
Food Contact	No contamination

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Industrie des Plastiques

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Dencryl™ Terrazzo (8 - 10 mm)

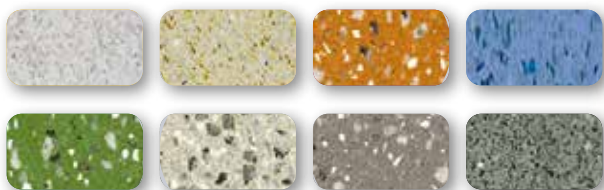
3-component acrylic flooring system. Recommended for industrial areas, where massive decorative surfaces are wanted. The floor is very easy to maintain and easily cleanable and makes the working environments presentable. Decorative and wear resistant terrazzo floors for airport terminals, railway stations, supermarkets, exhibitions areas etc. All kind of decorative effects are possible by varying the the background colour and the stonemix.

Benefits

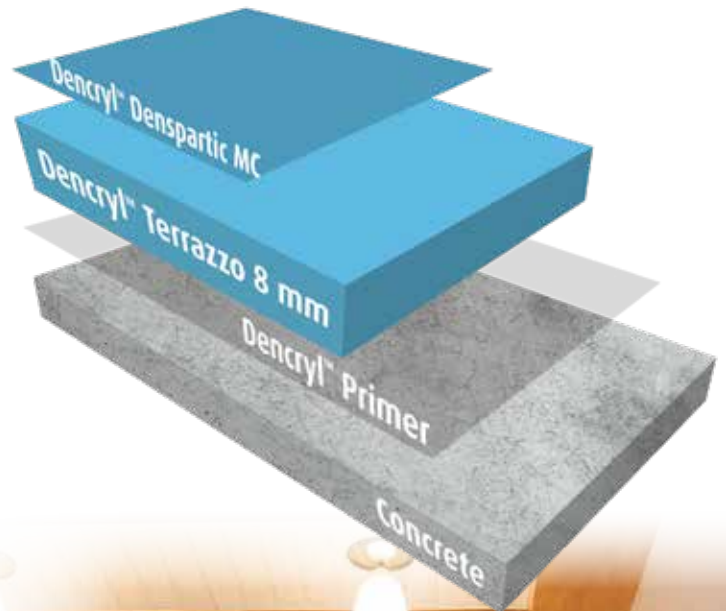
- Aestetically pleasing, silkmat surface
- Many colors, patterns, logos, designs and drawings can be included
- Seamless and hygienic finish
- Very good chemical resistance
- Easy to clean and sterialise
- Weatherproof & UV resistant
- Fast installation
- Curing down to -30°C
- Low maintenance cost.

Scope of use

- Shoppingcenters
- Railway terminals
- Hotels
- Airports



For more colors please see separate color chart.



Appearance

Dencryl™ Terrazzo is a smooth multicoloured floor with a silk matt finish.

Life Expectancy

10 - 20 years.

Application

For all types of medium to heavy load industrial floors, in combination with high demands to hygiene and cleanability. Dencryl™ Terrazzo floorings are flexible with a high wearability, impact and chemical resistance. Dencryl™ Terrazzo is easy to clean and maintain in a hygienic condition. The very fast curing of Dencryl™ floorings means, that eventual production stop is minimized while installing the floor.

Application conditions

Temperature -30°C to 30°C, best 15°C to 25°C, max. moisture content in the concrete subfloor 5% by weight.

Temperature Resistance

Dencryl™ Terrazzo is resistant to temperature cycles up to 80°C. Extended periods at these temperatures and above will make material susceptible to chemical attack and abrasion wear.

Colours

See separate color chart.



Properties

Properties	Value
Fully cured at 20°C	24 hours
Applied thickness	8 - 10 mm
Water Permeability	Nil - Karsten test (impermeable)
Hardness	SHORE D 80
Compressive strength	85 MPa
Reaction to fire	D _{fl} -s ₁
Bond strength	>1.5 MPa
Temperature resistance	Up to 80°C at 4 mm
Thermal expansion coefficient	<40 ppm
Abrasion resistance	50 mg / 1000 cycles (Taber Abrader)
Thermal conductivity	< 0,8 W/m·K
Slip resistance	R9 - R13
Food Contact	No contamination



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Dencryl™ Industry (4-6 mm)

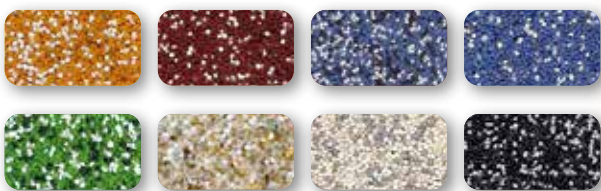
3-component acrylic flooring system. Recommended for industrial areas, which are subject to very high mechanical or chemical wear with high hygienic demands, such as heavy industry, industrial kitchens, bakeries, slaughter houses, food industry, refrigerator areas, and other areas, where an anti-slip surface and easily cleanable floor is required.

Benefits

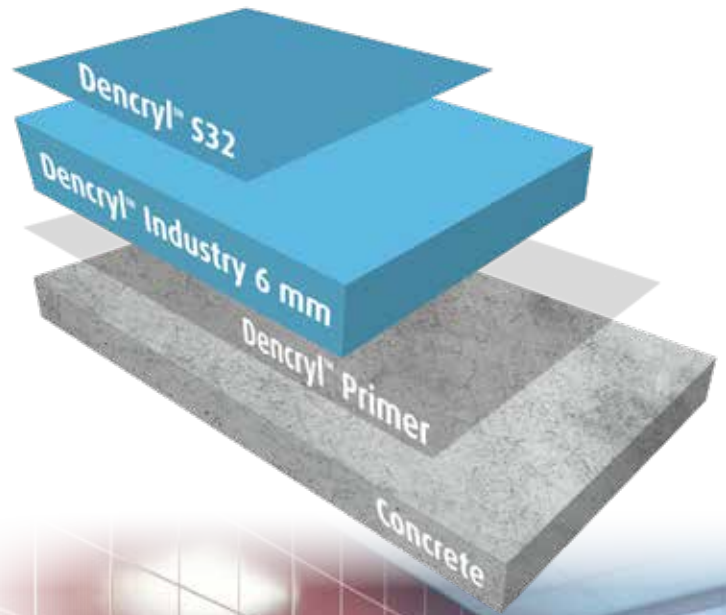
- Aestetically pleasing, silkmat surface
- Nonslip finish if required
- Seamless and hygienic finish
- Very good chemical resistance
- Easy to clean and sterialise
- Weatherproof & UV resistant
- Fast installation
- Curing down to -30°C
- Low maintenance cost.

Scope of use

- Heavy industry
- Industrial kitchens
- Food industry



For more colors please see separate color chart.



Appearance

Dencryl™ Industry is a smooth multicoloured floor with a silkmatt finish.

Life Expectancy

10 - 20 years.

Application

For all types of medium to heavy load industrial floors, in combination with high demands to hygiene and cleanability. Dencryl™ Industry floorings are flexible with a high wearability, impact and chemical resistance. Dencryl™ Industry is easy to clean and maintain in a hygienic condition. The very fast curing of Dencryl™ floorings means, that eventual production stop is minimized while installing the floor.

Application conditions

Temperature -30°C to 30°C, best 15°C to 25°C, max. moisture content in the concrete subfloor 5% by weight.

Temperature Resistance

Dencryl™ Industry is resistant to temperature cycles up to 80°C. Extended periods at these temperatures and above will make material susceptible to chemical attack and abrasion wear.

Colours

See separate color chart.



Properties

Properties	Value
Fully cured at 20°C	24 hours
Applied thickness	4 - 6 mm
Water Permeability	Nil - Karsten test (impermeable)
Hardness	SHORE D 80
Compressive strength	85 MPa
Reaction to fire	D _{fl} -s ₁
Bond strength	>1.5 MPa
Temperature resistance	Up to 80°C at 4 mm
Thermal expansion coefficient	<40 ppm
Abrasion resistance	50 mg / 1000 cycles (Taber Abrader)
Thermal conductivity	< 0,8 W/m·K
Slip resistance	R9 - R13
Food Contact	No contamination



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Dencryl™ Standard (3-4 mm)

3-component acrylic based flooring system.

Recommended for areas, which are subject to moderate mechanical or chemical wear with high hygienic demands, such as food industry, wash rooms, and other areas, where an anti-slip surface and easily cleanable floor is required.

Benefits

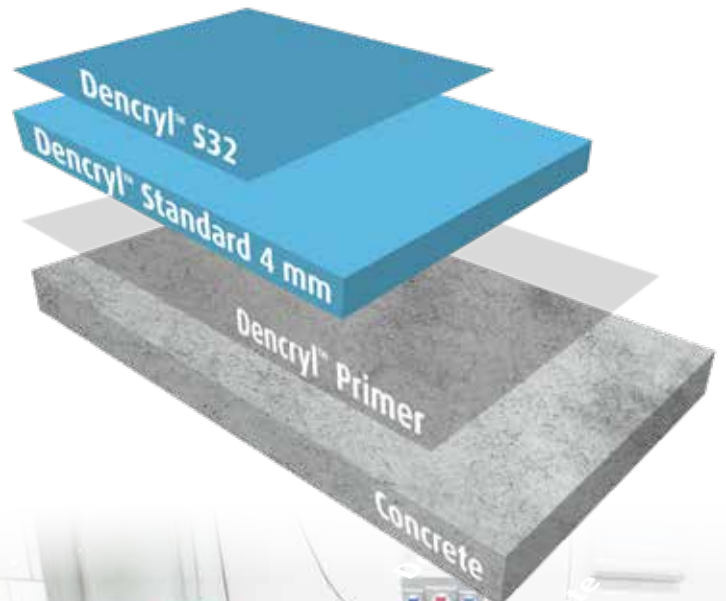
- Aestetically pleasing, silkmat surface
- Nonslip finish if required
- Seamless and hygienic finish
- Very good chemical resistance
- Easy to clean and sterialise
- Weatherproof & UV resistant
- Fast installation Curing down to -30°C
- Low maintenance cost

Scope of use

- Food industry
- Wash rooms
- Areas, where an anti-slip surface and easily cleanable floor is required



For more colors please see separate color chart.



Appearance

Dencryl™ Standard is a non-slip multicoloured floor with a silkmatt finish.

Life Expectancy

10 - 15 years.

Application

For all types of medium load industrial floors, in combination with high demands to hygiene and cleanability. Dencryl™ Standard floorings are flexible with excellent wearability, impact and chemical resistance. Dencryl™ Standard is easy to clean and maintain in a hygienic condition. The very fast curing of Dencryl™ floorings means, that eventual production stop is minimized while installing the floor.

Application conditions

Temperature -30°C to 30°C, best 15 to 25°C, max. moisture content in the concrete subfloor 5% by weight.

Temperature Resistance

Dencryl™ Standard is resistant to temperature cycles up to 80°C. Extended periods at these temperatures and above will make material susceptible to chemical attack and abrasion wear.

Optional slip resistance

By varying the grinding of aggregate between the two layers of sealer, skidresistance might be varied from moderate to pronounced.

Colours

See separate color chart.



Properties

Properties	Value
Fully cured at 20°C	24 hours
Applied thickness	3 - 4 mm
Water Permeability	Nil – Karsten test (impermeable)
Hardness	SHORE D 80
Compressive strength	60 MPa
Reaction to fire	D _{ii} -S ₁
Bond strength	>1.5 MPa
Temperature resistance	Up to 80°C at 4 mm
Thermal expansion coefficient	<40 ppm
Abrasion resistance	50 mg / 1000 cycles (Taber Abrader)
Thermal conductivity	< 0,8 W/m·K
Slip resistance	R9 – R13
Food Contact	No contamination

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Dencryl™ Topfloor (2-4 mm)

3-component acrylic based flooring system.

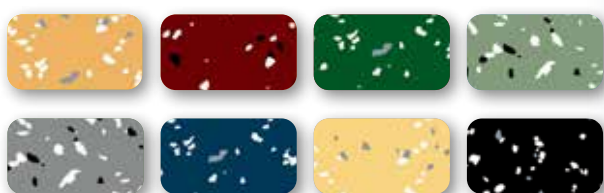
Dencryl™ Topfloor with a smooth structure is ideal for areas, which are subject to heavy mechanical and chemical wear, with high demands for being free of dust, such as work rooms, storage rooms, laboratories, etc. Dencryl™ Topfloor is also suitable for renovation of older Dencryl™ floorings.

Benefits

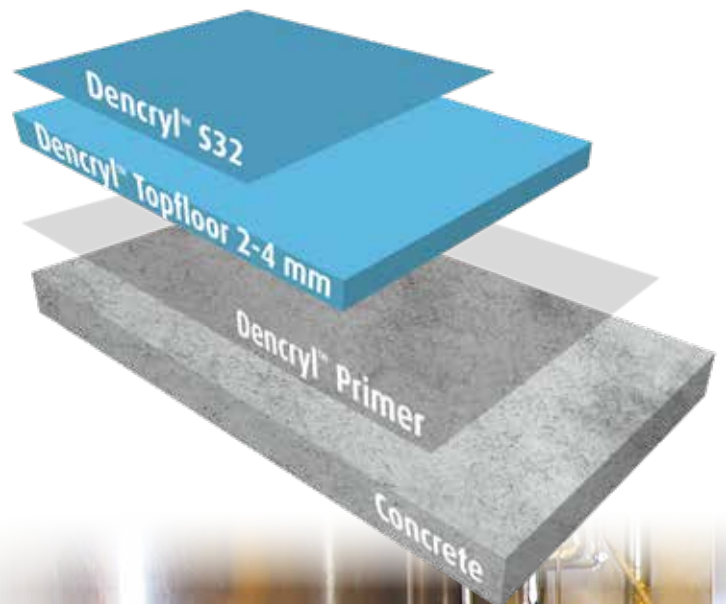
- Aestetically pleasing, silkmat surface
- Nonslip finish if required
- Seamless and hygienic finish
- Very good chemical resistance
- Easy to clean and sterialise
- UV resistant
- Fast installation
- Curing down to -30°C
- Low maintenance cost

Scope of use

- Work rooms
- Storage rooms
- Laboratories



For more colors please see separate color chart.



Appearance

Dencryl™ Topfloor is a smooth floor with a silkmatt finish.

Life Expectancy

10 - 15 years.

Application

Dencryl™ Topfloor floorings are flexible with excellent wearability, impact and chemical resistance. Dencryl™ Topfloor is easy to clean and maintain in a hygienic condition. Typical areas of use are workshops, warehouses, exhibition areas, laboratories, canteens, bathroom facilities, offices and corridors. Dencryl™ Topfloor is used also to refresh or renovate old acrylic floors. The very fast curing of Dencryl™ floorings means, that an eventual production stop is minimized while installing the floor.

Application conditions

Temperature -30°C to 30°C, best 15 to 25°C, max. moisture content in the concrete subfloor 5% by weight.

Temperature Resistance

Dencryl™ Topfloor is resistant to temperature cycles up to 80°C. Extended periods at these temperatures and above will make material susceptible to chemical attack and abrasion wear.

Colours

Dencryl™ Topfloor is available in 4 versions:

- Pigmented, for selection see Colour
- Design look, see Colour Design
- Mottled, see Colour Décor
- Logo, individual company logo design



Properties

Properties	Value
Fully cured at 20°C	24 hours
Applied thickness	2 - 4 mm
Water Permeability	Nil – Karsten test (impermeable)
Hardness	SHORE D 80
Compressive strength	40 MPa
Reaction to fire	D _{fl} -S ₁
Bond strength	>1.5 MPa
Temperature resistance	Up to 80°C at 4 mm
Thermal expansion coefficient	<40 ppm
Abrasion resistance	50 mg / 1000 cycles (Taber Abrader)
Thermal conductivity	< 0,6 W/m·K
Slip resistance	R9 – R13
Food Contact	No contamination

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Dencryl™ Topcoat (0.5-1 mm)

3-component acrylic based flooring system.

Dencryl™ Topcoat is ideal to provide a light to medium duty, easy to clean, chemical resistant floor coating. A non slip finish can be produced by incorporation of aggregates between coats. Typical uses are process, manufacturing, packaging and warehousing areas subjected to heavy foot and pallet truck traffic.

Benefits

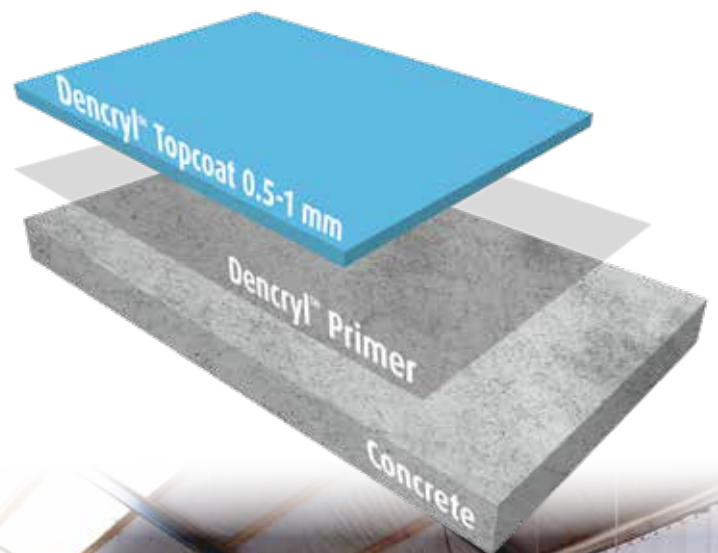
- Aestetically pleasing, silkmat surface
- Nonslip finish if required
- Seamless and hygienic finish
- Very good chemical resistance
- Easy to clean and sterialise
- Weatherproof & UV resistant
- Fast installation
- Curing down to -30°C
- Low maintenance cost

Scope of use

- Manufacturing
- Packaging
- Warehouses



For more colors please see separate color chart.



Appearance

Dencryl™ Topcoat is a smooth floor with a silk matt finish.

Life Expectancy

3 - 5 years.

Application

Dencryl™ Topcoat floorings offers light to medium wearability, impact and chemical resistance. Dencryl™ Topcoat is easy to clean and maintain in a hygienic condition. Typical areas of use are light trafficked surroundings subjected to heavy foot and pallet truck traffic. The very fast curing of Dencryl™ floorings means, that an eventual production stop is minimized while installing the floor.

Application conditions

Temperature -30°C to 30°C, best 15 to 25°C, max. moisture content in the concrete subfloor 5% by weight.

Temperature Resistance

Dencryl™ Topcoat is resistant to temperature cycles up to 80°C. Extended periods at these temperatures and above will make material susceptible to chemical attack and abrasion wear.

Colours

Available in a range of standard colours, see specific colourchart.



Properties

Properties	Value
Fully cured at 20°C	24 hours
Applied thickness	0.5 - 1 mm
Water Permeability	Nil – Karsten test (impermeable)
Hardness	SHORE D 80
Compressive strength	40 MPa
Reaction to fire	D _{fl} -S ₁
Bond strength	>1.5 MPa
Temperature resistance	Up to 80°C at 4 mm
Thermal expansion coefficient	<40 ppm
Abrasion resistance	50 mg / 1000 cycles (Taber Abrader)
Thermal conductivity	< 0,4 W/m·K
Slip resistance	R9 – R13
Food Contact	No contamination

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