

DenCoatTM

Tomorrows Floors Today



DencreteTM

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.

Dencrete™ isn't expensive - it's priceless

When ability to withstand assignment regardless of the ballast - and when economy comes second to the demands - then you should choose Dencrete™ as your seamless floor.

Dencrete™ is resistant to all kinds of traffic - trucks, sharp edges, boxes pushed around, steelbars - whatever.

Dencrete™ is also resistant to chemicals of any kind, and has a unique ability to withstand pressure washing and steam cleaning up to 130°C!.

In several countries Dencrete™ harvest recognition especially in slaughterhouses, bakeries, dairies etc. where high production demands certainly not corresponds to frequent problems from the flooring.

Dencrete™ flooring for ESD floorings, thin coating and other special demands are available.

- and we know the solutions...

With our experience in the manufacture and application of resin based surface materials, Dencoat™ is renowned as one of the leading experts in this field. Our knowledge will provide tailor made solutions to meet specific needs.

With our latest updates in technology based on epoxy, polyurethane and MMA resins, we can guarantee that your result will be prescribed to the ultimate of what can be achieved.



Dencrete™ HF (9 mm)

Dencrete™ HF is a bio-polyol based, monolithic, self levelling cementitious polyurethane screed with a thickness of 9-12 mm. It provides excellent resistance to aggressive chemicals, heavy impact and temperatures. It is dense and impervious and provides an anti slip surface suitable for dry and wet areas where a joint free finish and a robust long-lived floor is required.

Recommended uses

- Food & Beverage Manufacturing ■ Loading Bay
- Dairies Production ■ Commercial Kitchens
- Chemical Plant Processing ■ Cold Storages, Chiller & Freezer
- Pharmaceutical ■ Meat, Fish & Poultry Processing

Benefits



Excellent Chemical Resistance
Resistant to majority of acids & solvents used in the manufacturing process



Temperature Resistant
Resistant to temperatures ranging from -25°C to 100°C hence resistant to hot water and steam



Anti Slip
Slip resistant under all conditions



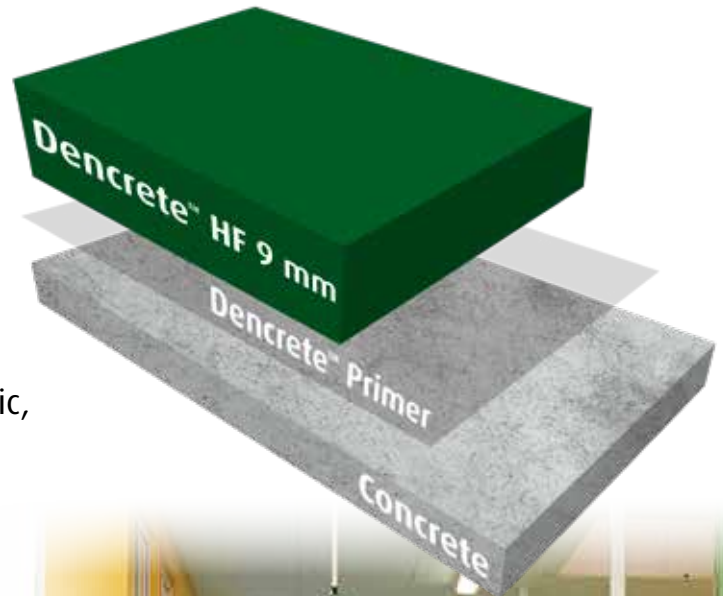
No VOC & Phthalate free
Biopolyol based product with no harmful emissions & odour



Abrasion Resistant
Resistant to high impact and heavy traffic therefore protects the surface below



For more colors please see separate color chart.



Coverage Rate

Usage: 2.15 kg/m²/mm

1 Kit of 22.3 Kg will cover 9mm: 1.29 m² 12mm: 0.97 m²

Coverage rate is calculated based on a smooth surface and may vary based on the substrate roughness and other conditions.

Material Storage and Shelf life

Store in a dry place away from direct sunlight with temperatures between 15°C-30°C. Part A and B have a shelf life of 12 months and must be protected from frost. Part C has a shelf life of 6 months and must be protected from humidity.

Pot Life

Pot life is 15 minutes from mixing. All mixed product must be used within the pot life time limit, if the product is left in the container after mixing and not used, it may release hazardous fumes due to exothermic reaction.

Substrate Requirements

The concrete substrate should be a minimum of 25 N/mm², free from laitance, dust, oil, grease, loose material and other contamination which impair adhesion. The substrate should be dry to 75 % RH as per BS 8204 and free from dampness and rising ground water pressure etc. The tensile strength of the substrate should exceed 1.5 N/Sq. m. The maximum moisture content in the subfloor should not be more than 5%.

Application Conditions

Ideal ambient, material and substrate temperature range is 15°C - 30°C to achieve best results. Application shouldn't be carried out if the temperature of the concrete is less than 10°C or where the ambient relative humidity is greater than 85%. If the surface is clearly wet due to high relative humidity, the surface should be dried by means available.

Application Procedure

Dencrete™ should be installed by specialist applicators, who must follow the procedures laid down in guideline documents. Here is the brief application procedure:

Surface Preparation

Surface must be prepared by suitable mechanical means - grinding, scarifying or as per the site requirement to ensure a perfect bonding with substrate.

- Remove all loose particles, dust using suitable mechanical means - industrial vacuum cleaner etc.
- Make grooves of 8mm X 8mm in size at approximately 100 mm distance parallel to the wall and adjacent to the doorways, covering not more than 20 Sq.mtr. Fill the grooves with the same material.
- Repair all imperfections substrate - pot holes, cracks should be filled with PU Mortar. Flatness of the base should be checked for level to ensure that the specified thickness of treatment can be applied over the whole area.
- All the expansion & movement joints should be properly cut and maintained for terminations.

The surface is allowed to dry thoroughly before the priming / scratch coat is applied.

Scratch Coat, Middle Coat and Top Coat

After surface preparation, apply the scratch coat of 1mm of Dencrete™ MD followed by the middle coat (wherever applicable) and finally the top coat. Dencrete is a monolithic system and hence the same PU material is used for all 3 coats. Add the Part A contents and then the Part D Pigment pack contents into a mixing bucket or directly into a rotary drum mixer. Mix thoroughly for one minute then add the Part B contents. Mix at a low speed (ca.300 rpm) using an electric drill and paddle for at least 1 minute until it is homogeneous. While stirring add component C and stir for another 2 minutes until a homogeneous mix of the four components is achieved. Scrape the sides and the bottom of the container several times during mixing to ensure complete mixing.

Apply immediately to prepared areas without delay using a straight edge trowel or depth set rake to achieve the desired thickness. The surface should be gently rolled with spiked roller in order to release any entrapped air from the mixed also to blend out any trowel marks. Scratch off the excess with the edge of the trowel and leave to cure for 16 hours or overnight. Note: If severe pin-holing is evident during the cured scratch coat, it indicates that air is rising from the substrate, remedial action should be taken. Failure to do so can result in increased risk of pin-holing on the surface top.

The video of the application procedure can be found on - https://www.youtube.com/channel/UCrOCVD3V_zB4r2e_6Aexy7w

After Care Cleaning & Maintenance

Clean regularly using a single or double headed rotary scrubber drier along with a mildly alkaline detergent. Regular cleaning is essential to maintain and enhance the life of the floor.

Health & Safety

The product should not come in contact with eyes and skin or be swallowed. Ensure adequate ventilation and avoid inhalation of vapours. Wear suitable protective clothing, gloves and eye protection. In case of contact with skin, rinse with soap and water. If swallowed, seek medical attention.

Disposal & Spillage

Spillage of any of the product components should be absorbed onto sand or other inert materials and transferred to a suitable disposable vessel. Disposal of such spillage or empty packaging should be in accordance with local waste disposal authority regulations.

Disclaimer

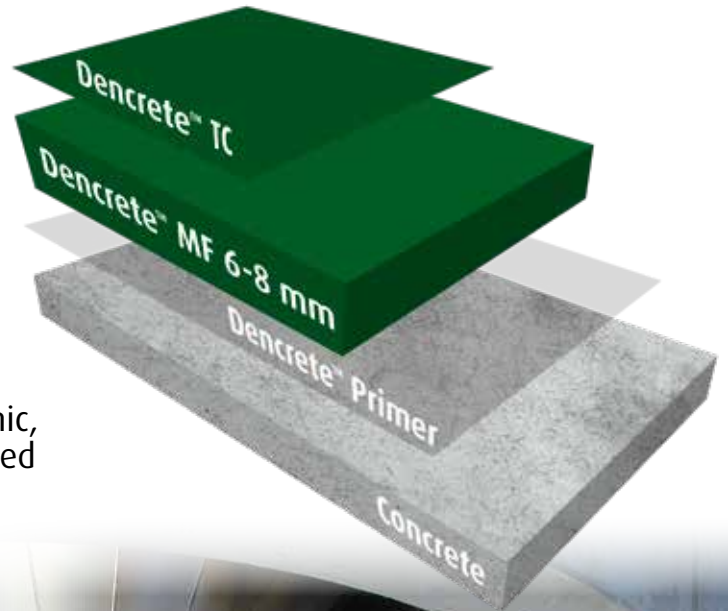
The information in this data sheet is based upon the current state and our best practical and scientific knowledge. The user is responsible for checking the suitability of the products for their intended use.



Properties

Properties	Value
Pack Size A:B:C:D	2.5 Kg : 2.5Kg : 22Kg : 0.3 Kg
Appearance	Rough Anti Slip
Mixed Density	2.00 Kg/l
Fully Cured at 23°C	7 days
Applied Thickness	9-12 mm
Water Permeability	Nil – Karsten test (impermeable)
Shore D Hardness	90
Compressive Strength	>55.0 N/mm ²
Flexural Strength	>20.0 N/mm ²
Tensile Strength	>10.0 N/mm ²
Elongation at Break	100%
Crack Bridging Ability	1 mm
Reaction to fire	B _{fl} - s ₁
Bond Strength (Pull-off test)	> 1.5 MPa
Temperature Resistance	- 40°C to 130°C at 9 mm
Thermal Expansion Coefficient	< 25 ppm
Abrasion Resistance	0.05 g / 1000 cycles (Taber Abrader)
Thermal Conductivity	< 1.5 W/m-K
Slip Resistance	R9 – R13
Food Contact	No contamination

Dencrete™ MF (6-8 mm)



Dencrete™ MF is a bio-polyol based, monolithic, self levelling cementitious polyurethane screed with a thickness of 6-8 mm.

It provides excellent resistance to aggressive chemicals, heavy impact and temperatures. It is dense and impervious and provides an anti slip surface suitable for dry and wet areas where a joint free finish and a robust long-lived floor is required.

Recommended uses

- Food & Beverage Manufacturing ■ Loading Bay
- Dairies Production ■ Commercial Kitchens
- Chemical Plant Processing ■ Cold Storages, Chiller & Freezer
- Pharmaceutical ■ Meat, Fish & Poultry Processing

Benefits



Excellent Chemical Resistance
Resistant to majority of acids & solvents used in the manufacturing process



Temperature Resistant
Resistant to temperatures ranging from -25°C to 100°C hence resistant to hot water and steam



Anti Slip
Slip resistant under all conditions



No VOC & Phthalate free
Biopolyol based product with no harmful emissions & odour



Abrasion Resistant
Resistant to high impact and heavy traffic therefore protects the surface below



Yellow Buff Red Blue



Light Green Light Grey Mid Grey Black

For more colors please see separate color chart.



Coverage Rate

Usage: 2 kg/m²/mm

1 Kit of 22.3 Kg will cover 6mm: 1.83 m² 8mm: 1.38 m²

Coverage rate is calculated based on a smooth surface and may vary based on the substrate roughness and other conditions.

Material Storage and Shelf life

Store in a dry place away from direct sunlight with temperatures between 15°C-30°C. Part A and B have a shelf life of 12 months and must be protected from frost. Part C has a shelf life of 6 months and must be protected from humidity.

Pot Life

Pot life is 15 minutes from mixing. All mixed product must be used within the pot life time limit, if the product is left in the container after mixing and not used, it may release hazardous fumes due to exothermic reaction.

Substrate Requirements

The concrete substrate should be a minimum of 25 N/mm², free from laitance, dust, oil, grease, loose material and other contamination which impair adhesion. The substrate should be dry to 75 % RH as per BS 8204 and free from dampness and rising ground water pressure etc. The tensile strength of the substrate should exceed 1.5 N/Sq. m. The maximum moisture content in the subfloor should not be more than 5%.

Application Conditions

Ideal ambient, material and substrate temperature range is 15°C - 30°C to achieve best results. Application shouldn't be carried out if the temperature of the concrete is less than 10°C or where the ambient relative humidity is greater than 85%. If the surface is clearly wet due to high relative humidity, the surface should be dried by means available.

Application Procedure

Dencrete™ should be installed by specialist applicators, who must follow the procedures laid down in guideline documents. Here is the brief application procedure:

Surface Preparation

Surface must be prepared by suitable mechanical means - grinding, scarifying or as per the site requirement to ensure a perfect bonding with substrate.

- Remove all loose particles, dust using suitable mechanical means - industrial vacuum cleaner etc.
- Make grooves of 8mm X 8mm in size at approximately 100mm distance parallel to the wall and adjacent to the doorways, covering not more than 20 Sq.mtr. Fill the grooves with the same material.
- Repair all imperfections substrate - pot holes, cracks should be filled with PU Mortar. Flatness of the base should be checked for level to ensure that the specified thickness of treatment can be applied over the whole area.
- All the expansion & movement joints should be properly cut and maintained for terminations.

The surface is allowed to dry thoroughly before the priming / scratch coat is applied.

Scratch Coat, Middle Coat and Top Coat

After surface preparation, apply the scratch coat of 1mm of Dencrete™ MD followed by the middle coat (wherever applicable) and finally the top coat. Dencrete™ is a monolithic system and hence the same PU material is used for all 3 coats. Add the Part A contents and then the Part D Pigment pack contents into a mixing bucket or directly into a rotary drum mixer. Mix thoroughly for one minute then add the Part B contents. Mix at a low speed (ca.300 rpm) using an electric drill and paddle for at least 1 min until it is homogeneous. While stirring add component C and stir for another 2 minutes until a homogeneous mix of the four components is achieved. Scrape the sides and the bottom of the container several times during mixing to ensure complete mixing.

Apply immediately to prepared areas without delay using a straight edge trowel or depth set rake to achieve the desired thickness. The surface should be gently rolled with spiked roller in order to release any entrapped air from the mixed also to blend out any trowel marks. Scratch off the excess with the edge of the trowel and leave to cure for 16 hours or overnight. Note: If severe pin-holing is evident during the cured scratch coat, it indicates that air is rising from the substrate, remedial

action should be taken. Failure to do so can result in increased risk of pin-holing on the surface top.

The video of the application procedure can be found on - https://www.youtube.com/channel/UCrOCVD3V_zB4r2e_6Aexy7w

After Care Cleaning & Maintenance

Clean regularly using a single or double headed rotary scrubber drier along with a mildly alkaline detergent. Regular cleaning is essential to maintain and enhance the life of the floor.

Health & Safety

The product should not come in contact with eyes and skin or be swallowed. Ensure adequate ventilation and avoid inhalation of vapours. Wear suitable protective clothing, gloves and eye protection. In case of contact with skin, rinse with soap and water. If swallowed, seek medical attention.

Disposal & Spillage

Spillage of any of the product components should be absorbed onto sand or other inert materials and transferred to a suitable disposable vessel. Disposal of such spillage or empty packaging should be in accordance with local waste disposal authority regulations.

Disclaimer

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Properties

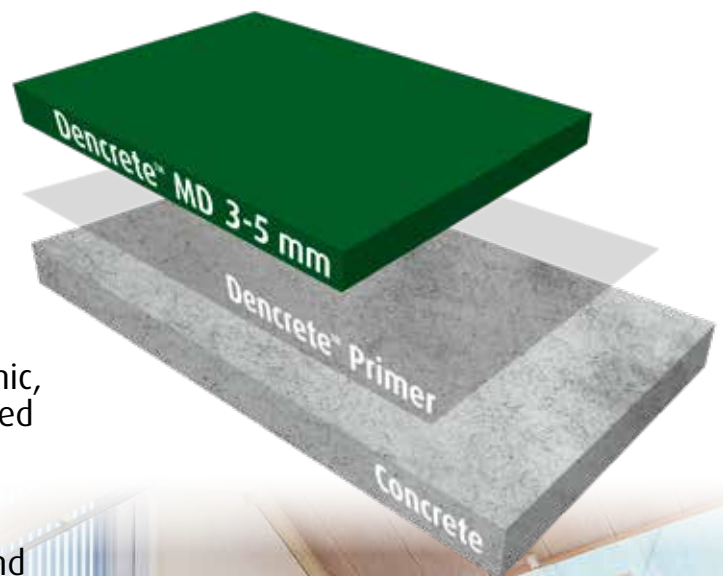
Properties	Value
Pack Size A:B:C:D	2.5 Kg : 2.5Kg : 17Kg : 0.3 Kg
Appearance	Anti Slip or Smooth Matt Finish
Mixed Density	2.00 Kg/l
Fully Cured at 23°C	7 days
Applied Thickness	6-8 mm
Water Permeability	Nil - Karsten test (impermeable)
Shore D Hardness	90
Compressive Strength	>55.0 N/mm ²
Flexural Strength	>20.0 N/mm ²
Tensile Strength	>10.0 N/mm ²
Elongation at Break	100%
Crack Bridging Ability	1 mm
Reaction to fire	B _{fl} - S ₁
Bond Strength (Pull-off test)	> 1.5 MPa
Temperature Resistance	-25°C to 100°C at 6 mm
Thermal Expansion Coefficient	< 38 ppm
Abrasion Resistance	0.05 g / 1000 cycles (Taber Abrader)
Thermal Conductivity	< 1.5 W/m-K
Slip Resistance	R9 - R13
Food Contact	No contamination

Dencrete™

MD (3-5 mm)

Dencrete™ MD is a bio-polyol based, monolithic, self levelling cementitious polyurethane screed with a thickness of 3-5 mm.

It provides excellent resistance to aggressive chemicals and high abrasion resistance. It is dense and impervious and suitable for dry and semi-wet areas where cleanliness, a joint free finish and a robust long-lived floor is required.



Recommended uses

- Food Manufacturing ■ Warehouse & Storage
- Dairies ■ Beverage & Breweries
- Commercial Kitchens ■ Pharmaceutical
- Textile & Film ■ Packaging Halls
- Aerospace ■ Clean Rooms & Laboratories

Benefits



Excellent Chemical Resistance
Resistant to majority of acids & solvents used in the manufacturing process



Temperature Resistant
Resistant to temperatures ranging from -15°C to 90°C hence resistant to hot water and steam



No VOC & Phthalate free
Biopolyol based product with no harmful emissions & odour



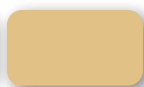
Abrasion Resistant
Resistant to high impact and heavy traffic therefore protects the surface below



Clean and Hygienic
Our floors are very easy to clean and do not support bacterial or fungal growth



Yellow



Buff



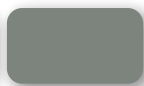
Red



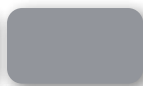
Blue



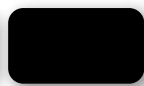
Dark Green



Dark Grey



Mid Grey



Black

For more colors please see separate color chart.

Coverage Rate

Usage: 2 kg/m²/mm

1 Kit of 17.3 Kg will cover 3 mm: 2.83 m² 4mm: 2.125 m²

Coverage rate is calculated based on a smooth surface and may vary based on the substrate roughness and other conditions.

Material Storage and Shelf life

Store in a dry place away from direct sunlight with temperatures between 15°C-30°C. Part A and B have a shelf life of 12 months and must be protected from frost. Part C has a shelf life of 6 months and must be protected from humidity.

Pot Life

Pot life is 15 minutes from mixing. All mixed product must be used within the pot life time limit, if the product is left in the container after mixing and not used, it may release hazardous fumes due to exothermic reaction.

Substrate Requirements

The concrete substrate should be a minimum of 25 N/mm², free from laitance, dust, oil, grease, loose material and other contamination which impair adhesion. The substrate should be dry to 75% RH as per BS 8204 and free from dampness and rising ground water pressure etc. The tensile strength of the substrate should exceed 1.5 N/Sq. m. The maximum moisture content in the subfloor should not be more than 5%.

Application Conditions

Ideal ambient, material and substrate temperature range is 15°C - 30°C to achieve best results. Application shouldn't be carried out if the temperature of the concrete is less than 10°C or where the ambient relative humidity is greater than 85%. If the surface is clearly wet due to high relative humidity, the surface should be dried by means available.

Application Procedure

Dencrete™ should be installed by specialist applicators, who must follow the procedures laid down in guideline documents. Here is the brief application procedure:

Surface Preparation

Surface must be prepared by suitable mechanical means - grinding, scarifying or as per the site requirement to ensure a perfect bonding with substrate.

- Remove all loose particles, dust using suitable mechanical means - industrial vacuum cleaner etc.
- Make grooves of 8mm X 8mm in size at approximately 100mm distance parallel to the wall and adjacent to the doorways, covering not more than 20 Sq.mtr. Fill the grooves with the same material.
- Repair all imperfections substrate - pot holes, cracks should be filled with PU Mortar. Flatness of the base should be checked for level to ensure that the specified thickness of treatment can be applied over the whole area.
- All the expansion & movement joints should be properly cut and maintained for terminations.

The surface is allowed to dry thoroughly before the priming / scratch coat is applied.

Scratch Coat, Middle Coat and Top Coat

After surface preparation, apply the scratch coat of 1 mm of Dencrete™ MD followed by the top coat. Dencrete is a monolithic system and hence the same PU material is used for all 3 coats. Add the Part A contents and then the Part D Pigment pack contents into a mixing bucket or directly into a rotary drum mixer. Mix thoroughly for one minute then add the Part B contents. Mix at a low speed (ca.300 rpm) using an electric drill and paddle for at least 1 min until it is homogeneous. While stirring add component C and stir for another 2 minutes until a homogeneous mix of the four components is achieved. Scrape the sides and the bottom of the container several times during mixing to ensure complete mixing.

Apply immediately to prepared areas without delay using a straight edge trowel or depth set rake to achieve the desired thickness. The surface should be gently rolled with spiked roller in order to release any entrapped air from the mixed also to blend out any trowel marks. Scratch off the excess with the edge of the trowel and leave to cure for 16 hours or overnight. Note: If severe pin-holing is evident during the cured scratch coat, it indicates that air is rising from the substrate, remedial action should be taken. Failure to do so can result in increased risk of pin-holing on the surface top.

The video of the application procedure can be found on - https://www.youtube.com/channel/UCrOCVD3V_zB4r2e_6A-exy7w

After Care Cleaning & Maintenance

Clean regularly using a single or double headed rotary scrubber drier along with a mildly alkaline detergent. Regular cleaning is essential to maintain and enhance the life of the floor.

Health & Safety

The product should not come in contact with eyes and skin or be swallowed. Ensure adequate ventilation and avoid inhalation of vapours. Wear suitable protective clothing, gloves and eye protection. In case of contact with skin, rinse with soap and water. If swallowed, seek medical attention.

Disposal & Spillage

Spillage of any of the product components should be absorbed onto sand or other inert materials and transferred to a suitable disposable vessel. Disposal of such spillage or empty packaging should be in accordance with local waste disposal authority regulations.

Disclaimer

The information in this data sheet is based upon the current state and our best practical and scientific knowledge. The user is responsible for checking the suitability of the products for their intended use.



Properties

Properties	Value
Pack Size A:B:C:D	2.5 Kg : 2.5Kg : 12Kg : 0.3 Kg
Appearance	Smooth Matt Finish
Mixed Density	2.00 Kg/l
Fully Cured at 23°C	7 days
Applied Thickness	3 -5 mm
Water Permeability	Nil - Karsten test (impermeable)
Shore D Hardness	90
Compressive Strength	53.9 N/mm ²
Flexural Strength	22.0 N/mm ²
Tensile Strength	19.0 N/mm ²
Elongation at Break	100%
Crack Bridging Ability	1 mm
Reaction to fire	B _{fl} - S ₁
Bond Strength (Pull-off test)	> 1.5 MPa
Temperature Resistance	at 4mm
Thermal Expansion Coefficient	< 38 ppm
Abrasion Resistance	0.02 g / 1000 cycles (Taber Abrader)
Thermal Conductivity	< 1.5 W/m-K
Slip Resistance	R9 - R13
Food Contact	No contamination

Dencrete™ TC (1-2 mm)

Dencrete™ TC is a bio-polyol based, monolithic, self levelling cementitious polyurethane screed with a thickness of 1.25 - 2 mm. It provides excellent resistance to aggressive chemicals and high abrasion resistance. It is dense and impervious and suitable for dry areas where cleanliness, a joint free finish floor is required. It is widely used for re-coating purposes.

Recommended uses

- Food Processing
- Beverage
- Pharmaceutical

Benefits



Excellent Chemical Resistance
Resistant to majority of acids & solvents used in the manufacturing process



No VOC & Phthalate free
Biopolyol based product with no harmful emissions & odour



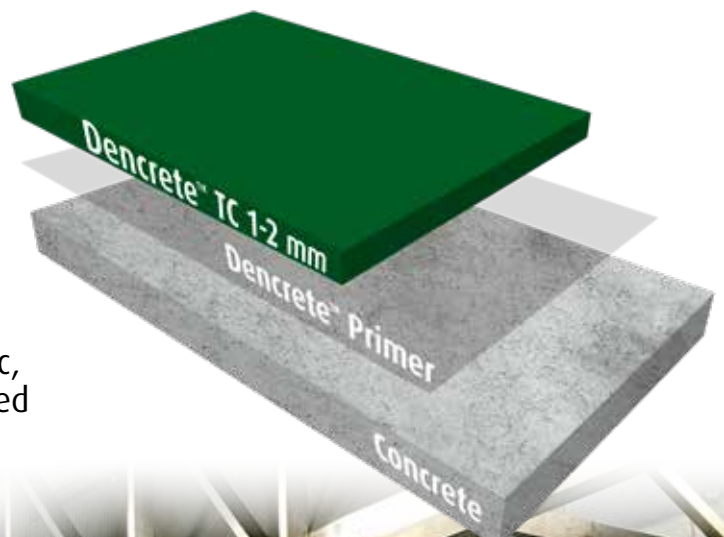
Abrasion Resistant
Resistant to high impact and heavy traffic therefore protects the surface below



Clean and Hygienic
Our floors are very easy to clean and do not support bacterial or fungal growth



For more colors please see separate color chart.



Coverage Rate

Usage: 1.24 kg/m²/mm

1 Kit of 10.3 Kg will cover 1.25mm: 8.06 m² 2mm: 4.03 m²

Coverage rate is calculated based on a smooth surface and may vary based on the substrate roughness and other conditions.

Material Storage and Shelf life

Store in a dry place away from direct sunlight with temperatures between 15°C – 30°C. Part A and B have a shelf life of 12 months and must be protected from frost. Part C has a shelf life of 6 months and must be protected from humidity.

Pot Life

Pot life is 15 minutes from mixing. All mixed product must be used within the pot life time limit, if the product is left in the container after mixing and not used, it may release hazardous fumes due to exothermic reaction.

Substrate Requirements

The concrete substrate should be a minimum of 25 N/mm², free from laitance, dust, oil, grease, loose material and other contamination which impair adhesion. The substrate should be dry to 75 % RH as per BS 8204 and free from dampness and rising ground water pressure etc. The tensile strength of the substrate should exceed 1.5 N/Sq. m. The maximum moisture content in the subfloor should not be more than 5%.

Application Conditions

Ideal ambient, material and substrate temperature range is 15°C - 30°C to achieve best results. Application shouldn't be carried out if the temperature of the concrete is less than 10°C or where the ambient relative humidity is greater than 85%. If the surface is clearly wet due to high relative humidity, the surface should be dried by means available.

Application Procedure

Dencrete™ should be installed by specialist applicators, who must follow the procedures laid down in guideline documents. Here is the brief application procedure:

Surface Preparation

Surface must be prepared by suitable mechanical means - grinding, scarifying or as per the site requirement to ensure a perfect bonding with substrate.

- Remove all loose particles, dust using suitable mechanical means - industrial vacuum cleaner etc.
- Make grooves of 8mm X 8mm in size at approximately 100mm distance parallel to the wall and adjacent to the doorways, covering not more than 20 Sq.mtr. Fill the grooves with the same material.
- Repair all imperfections substrate - pot holes, cracks should be filled with PU Mortar. Flatness of the base should be checked for level to ensure that the specified thickness of treatment can be applied over the whole area.
- All the expansion & movement joints should be properly cut and maintained for terminations.

The surface is allowed to dry thoroughly before the priming / scratch coat is applied

Scratch Coat, Middle Coat and Top Coat

After surface preparation, apply the scratch coat of 0.5 mm of Dencrete™ MD followed by the top coat. Dencrete™ is a monolithic system and hence the same PU material is used for all 3 coats. Add the Part A contents and then the Part D Pigment pack contents into a mixing bucket or directly into a rotary drum mixer. Mix thoroughly for one minute then add the Part B contents. Mix at a low speed (ca.300 rpm) using an electric drill and paddle for at least 1 min until it is homogeneous. While stirring add component C and stir for another 2 minutes until a homogeneous mix of the four components is achieved. Scrape the sides and the bottom of the container several times during mixing to ensure complete mixing. Apply immediately to prepared areas without delay using a straight edge trowel or depth set rake to achieve the desired thickness. The surface should be gently rolled with spiked roller in order to release any entrapped air from the mixed also to blend out any trowel marks. Scratch off the excess with the edge of the trowel and leave to cure for 16 hours or overnight. Note: If severe pin-holing is evident during the cured scratch coat, it indicates that air is rising from the substrate, remedial action should be taken. Failure to do so can result in increased

risk of pin-holing on the surface top.

The video of the application procedure can be found on - https://www.youtube.com/channel/UCrOCVD3V_zB4r2e_6Aexy7w

After Care Cleaning & Maintenance

Clean regularly using a single or double headed rotary scrubber drier along with a mildly alkaline detergent. Regular cleaning is essential to maintain and enhance the life of the floor.

Health & Safety

The product should not come in contact with eyes and skin or be swallowed. Ensure adequate ventilation and avoid inhalation of vapours. Wear suitable protective clothing, gloves and eye protection. In case of contact with skin, rinse with soap and water. If swallowed, seek medical attention.

Disposal & Spillage

Spillage of any of the product components should be absorbed onto sand or other inert materials and transferred to a suitable disposable vessel. Disposal of such spillage or empty packaging should be in accordance with local waste disposal authority regulations.

Disclaimer

The information in this data sheet is based upon the current state and our best practical and scientific knowledge. The user is responsible for checking the suitability of the products for their intended use.



Properties

Properties	Value
Pack Size A:B:C:D	2.5 Kg : 2.5Kg : 5Kg : 0.3 Kg
Appearance	Smooth Matt Finish
Mixed Density	1.24 Kg/l
Fully Cured at 23°C	7 days
Applied Thickness	1.25 -2 mm
Water Permeability	Nil – Karsten test (impermeable)
Shore D Hardness	80
Compressive Strength	50.0 N/mm ²
Flexural Strength	20.0 N/mm ²
Tensile Strength	15.0 N/mm ²
Elongation at Break	100%
Crack Bridging Ability	1 mm
Reaction to fire	B _{ii} - s ₁
Bond Strength (Pull-off test)	> 1.5 MPa
Temperature Resistance	Up to 80°C at 2 mm
Thermal Expansion Coefficient	< 25 ppm
Abrasion Resistance	0.05 g / 1000 cycles (Taber Abrader)
Thermal Conductivity	< 1.5 W/m-K
Slip Resistance	R9 – R13
Food Contact	No contamination

DenCoatTM
Tomorrows Floors Today

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