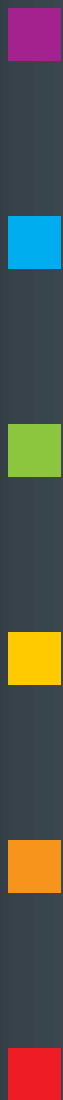




# capaPARK

Decorative and protective coatings for Car Parks



# Unrivalled Protection

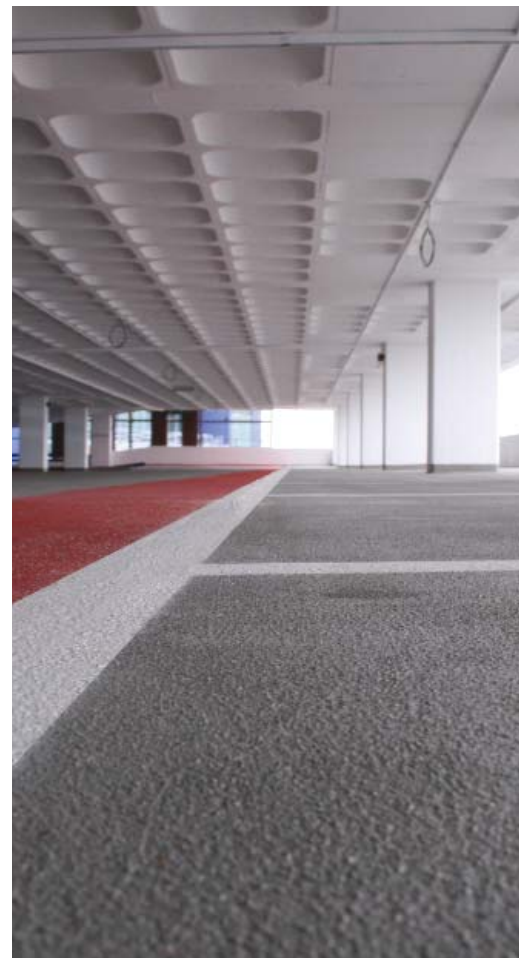
To ensure that you maximise the life expectancy of your car park and minimise expensive structural maintenance costs, it is essential that you protect your car park with a high performance anti-carbonation coating.

Designed specifically to meet the unique demands of the car park environment, Caparol capaPARK coatings offer the most cost effective protection from the damaging effects of carbon dioxide and many other environmental pollutants.

## Increased Profits

In addition to providing optimum protection, capaPARK coatings can dramatically increase the profitability of your car park.

Studies have proven that the key factors in a consumers decision of “where to park” have changed in recent years. Previously, convenience was always the major influence however in more recent times as car park owners have begun investing in improving their car parks; safety, appearance and user friendliness now dictates popularity. In short, bright and safe means popular and profitable.





## Brighter whites

Caparol have developed the majority of capaPARK coatings to dry to a highly reflective silk matt finish. Increasing the reflectivity means that the light in the car park area is distributed more effectively and lux levels are improved by up to 20% when compared to flat matt finish emulsions.

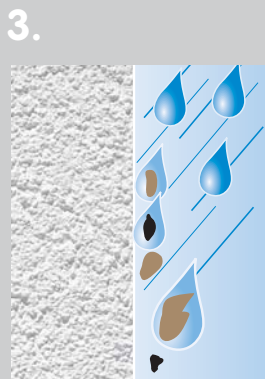
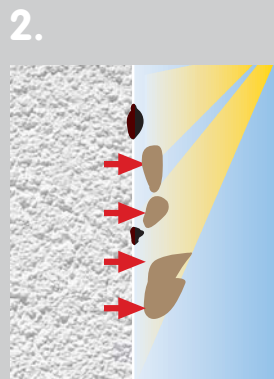
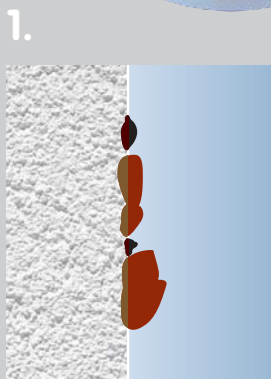
## Minimum maintenance

capaPARK coatings are designed to look good for longer with the Caparol Clean Concept. Based upon nanotechnology, the photocatalytic surface is dirt and water repellent and therefore retains the “just applied” appearance for many years.



## The Benefits of capaPARK coatings:

CO <sup>2</sup> protection -	Caparol capaPARK coatings are proven to offer long term protection for concrete and masonry from the damaging effects of CO <sup>2</sup> .
Light reflective -	Caparol capaPARK coatings are highly light reflective, offering significantly increased lux levels.
Caparol Clean Concept -	Caparol capaPARK coatings are based upon nanotechnology and have dirt repelling features.
Weatherproof -	Caparol capaPARK coatings are weatherproof and water repellent to DIN 4108.
Vapour-permeable -	Caparol capaPARK coatings are vapour permeable and allow the concrete to “breathe.” New build structures can fully dry without hinderance.
Durable and scrub resistant -	Caparol capaPARK coatings are designed to not only be resistant to everyday weathering but are scrub-resistant with wet abrasion class 1.
Tintable by Color Express -	Caparol capaPARK coatings can be tinted using the unique ColorExpress in-can tinting technology. This ensures colour consistency between batches and efficient delivery.
UV resistant -	Caparol capaPARK coatings will not yellow in direct sunlight.
Elastomeric -	Caparol capaPARK offer elastomeric coatings capable of bridging surface cracks of <0.3mm and dynamic cracks >0.1mm.
Quality assured manufacturing -	Caparol capaPARK coatings are manufactured to ISO 9001 ensuring consistency in quality.



1. Organic and inorganic dirt settles on the surface.
2. The clean concept surface reduces the adhesion of the contaminants.
3. Wind and Rain easily remove any contaminants.

# Amphibolin

**Solvent-free, emission-minimised, universal anti-carbonation coating with outstanding adhesion on most substrate types.**

## Product Description

Multi-purpose, emission-minimised, solvent-free exterior anti-carbonation paint with outstanding adhesive strength on most common substrates found in the car park environment.

Universal paint for application on bare concrete, pre-coated concrete, mineral renders / plasters of mortar groups P11 and P111, fair-faced masonry, fibre cement particle boards, galvanised surfaces, rigid OVC and dimensionally stable wood.

Due to its high degree of light reflection, Amphibolin is particularly suitable for internal car park decks, underground car parks, stairwells, corridors and storerooms.

## Properties

- Emission-minimised and solvent free
- Highly reflective
- Weatherproof
- Low odour
- Wet abrasion resistance Class 1 to DIN 13 300; <5 µm at 200 strokes.
- Coverage Class 2, with a usage of 8m<sup>2</sup>/Ltr.
- Driving rain resistant, water-repellent to DIN 4108
- Excellent adhesion to most substrates
- Non-yellowing
- Alkali-resistant
- Photocatalytic pigments
- Minimises the effects of CO<sup>2</sup> exposure

## Packaging of standard product:

2.5 lit., 5 lit. and 12.5 lit.

## ColorExpress:

1.25 lit., 2.5 lit., 5 lit., 7.5 lit. and 12.5 lit.

## Characteristics to DIN EN 1062:

- Gloss level: Silk-matt G<sub>2</sub>
- Dry film thickness: 50 – 100 µm E<sub>2</sub>
- Maximum particle size: <100 µm S<sub>1</sub>
- Water vapour permeability (sd-value): ≥ 0.14 m to 1.4 (medium) V<sub>2</sub>
- Water permeability (w-value): 0.2 [kg/(m<sup>2</sup> · h0.5)] (low) W<sub>3</sub>
- CO<sub>2</sub> protection: > 50m C<sub>1</sub>

## Material base:

100% pure acrylate.

Synthetic dispersion to DIN 55 945, containing wet-adhesion-promoter to achieve optimum adhesive strength.

## Density:

Approx. 1.4 g/cm<sup>3</sup>

## System of application:

First or Intermediate Coat:

Apply Amphibolin undiluted or thinned with max. 10% of tap (potable) water.

Finishing Coat:

Apply Amphibolin undiluted or thinned with max. 5% of tap water. On rough-textured surfaces the first or intermediate and finishing coats should be diluted 5% and spread out well.





### Method of application:

Apply with brush, roller or spraying units.  
Prime slightly absorbent and non-absorbent substrates with Capagrund.

### Airless application:

Spraying angle: 50°  
Nozzle size: 0.018" – 0.026"  
Spraying pressure: 150 – 180 bar  
Stir and sieve well before application.

### High-pressure application:

Nozzle size: 2 mm  
Pressure: 3 bar  
Clean tools immediately after use with water.

### Consumption:

Approx. 120 ml/m<sup>2</sup> per coat on smooth substrates. On rough surfaces accordingly more.  
The exact rate of consumption is best established by a trial application.

### Minimum temperature for application and drying:

+5°C for material, substrate and surrounding air.

### Drying times:

At +20°C and 65% relative humidity:  
Surface-dry and recoatable after 4 – 6 hours, rainproof after 24 hours. Completely dry and ready for stress after approx. 3 days.  
Lower temperatures and higher relative humidity will lengthen the drying time.

### Note:

For exterior coatings observe VOB, part C, DIN 18 363, paragraph 3.1.10. Therefore the materials should not be applied e.g. in direct sunlight or on sun heated substrates, during strong wind, fog or rain, high relative humidity or imminent rain or frost, etc.

To avoid lapping, the material should be applied wet-on-wet and without interruption.

All materials are unsuitable for application on horizontal surfaces exposed to rain or moisture.

On rough, textured substrates the use of matt Caparol paint materials, e.g. Muresko is recommended for aesthetic reasons. Apply a priming coat of Capagrund on alkaline substrates prior to the application of tinted material, to avoid calcareous efflorescence. Surfaces in special climatic conditions (high degree of moisture, coastal environments) or subjected to a higher influence of atmospheric exposure: It is recommended to apply special products, e.g. Amphibolin-W to counteract the forming of organic growth (fungi & algae).

### Suitable substrates and their preparation

The substrate must be sound, dry, clean, and free from all materials that may prevent good adhesion. Observe the recommendations of VOB, part C, paragraph 3.

### Concrete:

Concrete surfaces with deposits of dirt or a powdery-grain layer (fines) must be cleaned mechanically or by using a high-pressure jet, in compliance with the regulations. Apply a priming coat / covering undercoating of Amphibolin, thinned max. 5% with tap water, on slightly absorbent or smooth surfaces. Apply a priming coat of Caparol Acryl-Hydrosol or CapaSol on surfaces with high absorbency. Prime chalking substrates with Dupa-grund.

### Sound coatings of emulsion or dispersion paint:

Clean soiled, chalking layer by high-pressure water jet, manual washing or by any other suitable method. Allow the substrate to dry well.

### Sound existing coatings of elastomeric paint:

Clean soiled, chalking layer by high pressure water jet, manual washing or any other suitable method. Allow the substrate to dry well.

### Further details:

See Material Safety Data Sheets.

### Note box:

Technical assistance:  
Please contact Caparol UK for technical advice and assistance.



# Disbocret<sup>®</sup> 518

Elastomeric, anti-carbonation coating with excellent opacity. Specifically suitable for bare and pre-coated concrete with static or dynamic cracking.

## Product Description

Multi-purpose elastomeric, anti-carbonation coating, offers exceptional protection to new and existing concrete from the damaging effects of carbon-dioxide and water. Can be used for covering static hairline cracks and bridging dynamic cracking. Extends the life expectancy of new, existing and repaired pre-cast and cast in-situ concrete.

## Properties

- Highly elastomeric
- Bridges cracks of <0.3mm
- Equalises dynamic cracks of <0.1mm
- Minimises the effects of CO<sub>2</sub> and SO<sub>2</sub> exposure
- Highly reflective
- Easy to apply
- Weatherproof
- Alkali resistant
- UV-Stable
- Covers surface cracks to < 0.1mm
- Vapour permeable
- Excellent opacity





### Packaging of standard product:

15 lit.

### ColorExpress:

12 lit.

### Technical data

Solid-content approx 68% by weight

Dry film thickness approx 50 µm/100ml/m<sup>2</sup>

Diffusion resistance

µ H<sub>2</sub>O 1,500

µ CO<sub>2</sub> 250,000

Diffusion-equivalent air film thickness at 160

µm dry film thickness

Sd H<sub>2</sub>O approx 0.45m

Sd CO<sub>2</sub> approx. 75m

Water absorption coefficient

W<sub>24</sub> <0.033kg/(m<sup>2</sup>.h.0.5)

### Material base:

Styrene Acrylate dispersion

### Density:

Approx. 1.4 g/cm<sup>3</sup>

### System of application:

#### Priming:

Prime absorbent mineral substrates (e.g concrete, renders, brickwork, blockwork) using Disboxan 450.

### First coat:

Apply Disbocret 518 undiluted or thinned with max. 5% of tap (potable) water depending on method of application, weather and substrate conditions.

### Finishing coat:

Apply Disbocret 518 undiluted or thinned with max. 5% of tap water depending on method of application, weather and substrate conditions.

### Method of application:

Apply with brush, roller or spraying units.

### Airless application:

Spraying angle: 50°

Nozzle size: 0.021" – 0.026"

Spraying pressure: 150 – 180 bar

Stir well before application. Change or clean filters regularly to avoid clogging with fillers.

### Consumption:

Approx. 200 - 250 ml/m<sup>2</sup> per coat on smooth substrates. On rough surfaces accordingly more. The exact rate of consumption is best established by a trial application.

### Minimum temperature for application and drying:

+5°C for material, substrate and surrounding air.

### Drying times:

At +20°C and 65% relative humidity: surface-dry after approx 4 hours, rainproof after approx 6 hours. Re-coatable after approx 6 hours.

Lower temperatures and higher relative humidity will lengthen the drying time.

### Suitable substrates and their preparation

The substrate must be sound, dry, clean, and free from all materials that may prevent good adhesion.

### Concrete:

The substrate must be clean dry and free from loose material that may prevent adhesion. Badly soiled substrates e.g with moss and algae and vitreous unsound cement laitance must be removed with suitable open or closed blasting equipment. Prime the prepared surface using Disboxan 450.

### Pre-coated substrates:

Check the existing paint coatings for good adhesion to the substrate. Remove non-adherent existing coatings and flexible, crack bridging coatings with suitable open or closed blasting equipment.

Clean, sound adherent non-chalking existing paint coatings thoroughly with water jet or steam jet. As there may be different types of existing coatings, the planned coating system must be checked in advance for functionality by a trial application.

### Further details:

See Material Safety Data Sheets.

### Technical assistance:

Please contact Caparol UK for technical advice and assistance.



# Muresko

**High quality, silacryl interior and exterior paint. Vapour permeable, highly water repellent and matt finish**

## Product Description

Multi-purpose paint for decorative coating of smooth and textured concrete and masonry substrates.

Provides optimum physical values including protection against water ingress, vapour permeability, weather-resistance and chalking stability. Particularly suitable for decorative enhancement of pre-coated concrete.

## Properties

- Weatherproof
- Low odour
- Driving rain resistant, water-repellent to DIN 4108
- Excellent rain protection to the class "low water-permeability" of DIN EN 1062, w-value: <math><0.1 \text{ (kg/m}^2 \cdot \text{h} \cdot 0.5)</math>.
- High-diffusion according to the class "high water vapour diffusion" of DIN EN 1062 part 2, Sd-H<sub>2</sub>O value <math><0.14 \text{ m}</math>.
- Excellent adhesion to most substrates
- Protects against deterioration from algae and mould growth
- Easy to apply
- Water thinnable

## Packaging of standard product:

12.5 lit.

## ColorExpress:

12.5 lit.

## Material base:

Silicone resin plus Acrylate dispersion

## Density:

Approx. 1.5 g/cm<sup>3</sup>

## Gloss level:

Matt

## First or Intermediate coat:

Apply Muresko undiluted or thinned with max. 10% of tap (potable) water.

## Finishing coat:

Apply Muresko undiluted or thinned with max. 5% of tap (potable) water. On rough-textured surfaces the first or intermediate and finishing coats should be diluted 5% and spread out well.

## Method of application:

Apply with brush, roller or spraying units. Prime slightly absorbent and non-absorbent substrates with Capagrund.

## Consumption:

Approx. 200 ml/m<sup>2</sup> per coat on smooth substrates. On rough surfaces accordingly more. The exact rate of consumption is best established by a trial application.







### Minimum temperature for application and drying:

+5°C for material, substrate and surrounding air.

### Drying times:

At +20°C and 65% relative humidity; surface-dry and recoatable after 4 – 6 hours, rainproof after 24 hours. Completely dry and ready for stress after approx. 3 days.

Lower temperatures and higher relative humidity will lengthen the drying time.

### Note:

For exterior coatings observe VOB, part C, DIN 18 363, paragraph 3.1.10.

Therefore the materials should not be applied e.g. in direct sunlight or on sun heated substrates, during strong wind, fog or rain, high relative humidity or imminent rain or frost, etc.

To avoid lapping, the material should be applied wet-on-wet and without interruption. All materials are unsuitable for application on horizontal surfaces exposed to rain or moisture.

Apply a priming coat of Capagrund on alkaline substrates prior to the application of tinted material, to avoid calcareous efflorescence.

Surfaces in special climatic conditions (high degree of moisture, coastal environments) or subjected to a higher influence of atmospheric exposure: It is

recommended to use special products, e.g. Amphibolin-W to counteract the forming of organic growth (fungi & algae).

### Suitable substrates and their preparation:

The substrate must be sound, dry, clean, and free from all materials that may prevent good adhesion.

### Concrete:

Concrete surfaces with deposits of dirt or powdery-grain layer (fines) must be cleaned mechanically or by using a high-pressure jet, in compliance with the regulations.

Apply a priming coat / covering undercoating of Muresko, thinned max. 5% with tap water, on slightly absorbent or smooth surfaces.

Apply a priming coat of Caparol Acryl-Hydrosol or CapaSol on surfaces with high absorbency. Prime chalking substrates with Dupa-grund.

### Sound coatings of emulsion or dispersion paint:

Clean, soiled chalking layer by a high-pressure water jet, manual washing or by any other suitable method. Allow the substrate to dry well.

### Sound existing coatings of elastomeric paint:

Clean soiled, chalking layer by high pressure water jet, manual washing or any other suitable method. Allow the substrate to dry well.

### Further details:

See Material Safety Data Sheets.

### Note box:

Technical assistance:

Please contact Caparol UK for technical advice and assistance.





# Capagrund

**Water-thinnable, white pigmented primer. For exterior and interior use.**

## Product Description

White pigmented primer for use on exterior or interior mineral substrates and existing synthetic resin-bound renders / plasters and composite thermal insulation systems (EWI systems).

Capagrund is approved as an adhesion promoting primer for smooth pre-cast concrete surfaces.

## Properties

Ready for use, water-thinnable, ecologically compatible (low solvent content), low odour, promotes adhesion.

## Material Base:

Synthetic dispersion to Din 55 945

## Density:

Approx. 1.4 g/cm<sup>3</sup>

## Colour:

White Capagrund can be tinted by Colorexpress.

## System of application:

Capagrund is usually applied undiluted. However the coating can be thinned to a working consistency of up to 3% with tap (potable) water.

## Method of application:

Apply with a brush, roller or spraying units.

## Airless application:

Spraying angle: 50°C

Nozzle size: 0.026" – 0.031"

Pressure: 150 180 bars

Stir up and sieve the material before spray-application.

Clean tools immediately after use with water.

## Drying times:

At 20°C and 65% relative humidity:

Completely recoatable after approx 12 hours.

Lower temperatures will lower the drying times.

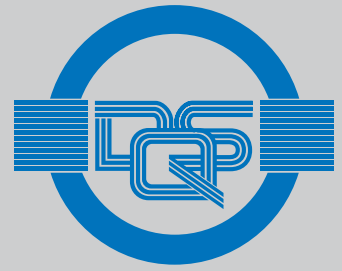
## Storage:

Store in cool, frost free environment.

## Note

Materials and all related packaging must be disposed of in a safe and environmentally friendly manner and in full accordance with local authority guidelines.





# Caparol

## Innovation - Quality – Technical Competence

The Caparol group of companies has more than 4000 employees and a turnover of 1 billion Euros in 2007. The Caparol Group of Companies is a market leader in architectural paint systems and the largest privately owned paint company in Europe.

Caparol prides itself on offering car park professionals, decorating contractors, architects and specifiers superior quality and high technology products at competitive prices.

However, being a quality leader for us

does not just mean developing and marketing innovative and high performance quality products, but also implementing manufacturing techniques which conserve resources and are environmentally friendly.

We have invested heavily to ensure that environmental protection begins at the production process. Since October 2003 all our production sites have been officially certified to DIN EN ISO 14001, the international standard for environmental management.



## CAPAROL Farben Lacke Bautenschutz GmbH

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Lacke und Farben  
Werk Fürstenwalde  
D-15517 Fürstenwalde

LACUFA GmbH  
Lacke und Farben  
Werk Köthen  
D-06366 Köthen

LACUFA GmbH  
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Flachverblender  
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VWS-Ergotherm  
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Dämmsysteme KG  
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**Experience Quality.**