



The Chemical Company

SONOSHIELD[®] PARKCOAT

High-reflective anti-carbonation coating for the interior of parking structures

Description

High-reflective anti-carbonation coating for the protection of interior walls, columns, soffits and ceilings in interior parking structures.

Primary uses

- Parking structures
- Concrete
- Brick
- Stucco
- Block
- Primed wood or metal
- Interior ceilings and vertical surfaces, including walls, beams, and columns

Features

- Water based
- VOC compliant
- High light reflectivity
- Low dirt pickup
- Excellent anti-carbonation properties

Benefits

- Low dirt pick-up
- Low odour
- Environmentally friendly
- Enhances the security of garages
- An economical alternative to additional lighting
- Maintains attractive appearance
- Extends concrete life expectancy

Packaging

SONOSHIELD[®] PARKCOAT is available in 18.93 litre pails and 208 litre drums on special order only.

Shelf life is 6 months when stored in unopened containers under normal conditions. Protect PARKCOAT from freezing in the container; do not store below 2°C.

Colour

Bright White (only)

*Typical properties

Property	Value	Test Method
Density	1.27kg/litre	ASTM D 1475
Solids by volume	45%	ASTM D 5201
Light Reflectivity	88%	
Anti-carbonation Air equivalent (R)	>300m*	Taywood

* Klopfer criterion for effective anti-carbonation coating is R >50m

Test data

Property	Result
Tensile Strength, ASTM D 412	567 psi
Elongation at break, ASTM D 412	35%
Water vapor perms, dry, ASTM D 1653	2.1
Anti-carbonation Taywood Engineering In-house Test R (m)	319

For best performance

- Apply in two coats
- Apply a 1.2m by 1.2m test area to verify acceptable color, texture, and adhesion before proceeding with any project.
- Not for use as a wearing surface.
- Apply at temperatures above 4°C.
- Highly porous surfaces require a primer (see Priming section).
- Protect unused containers from freezing.



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- Do not apply over fresh concrete; allow to fully cure at least 28 days.
- Do not apply to damp, frozen, or frost-covered surfaces.
- Make certain the most current version of this data guide is being used; call Customer Service (+971-4-8090800) to verify the most current version.
- Proper application is the responsibility of the user. Field visits by BASF personnel are for the purpose of making technical recommendations only, and are not to supervise or provide quality control on the job site.

Application

Surface preparation:

1. Concrete must be fully cured (28 days), structurally sound, clean and sound.
2. Mildew and fungus must be completely removed before the application of PARKCOAT. Wash surfaces vigorously with a solution of 0.125 litres of detergent and 0.25 litres of liquid bleach in 3.785 litres of water. Rinse thoroughly with clean water. Pressure clean (minimum 2,100 psi) to remove all dust, dirt, grease, oil, loose particles, laitance, foreign materials, release agents, peeling and defective coatings, and chalk.
3. Allow surface to dry a minimum of 24 hours before proceeding.

Priming:

Highly chalky surfaces must be properly cleaned, and they require an appropriate primer, such as MASTERKURE 181 White.

Prior to priming, blow holes may be filled with MASTERSEAL BLOW HOLE FILLER.

Application:

Brush

Use a stiff-fiber or nylon short-bristled brush. On open-textured surfaces, thoroughly work the coating into the pores of the surface to fill completely. Flow the coating onto the surface using straight strokes.

Roller

Using a fully loaded 13-19 mm nap roller, apply the coating to the surface in a uniform manner. Do not overroll.

Spray

For spray equipment recommendations, contact the equipment manufacturer.

Drying time

Drying time is 2-4 hours at 21°C and 50% relative humidity.

Cleaning

Clean PARKCOAT from brushes, rollers, and tools with water and mild detergent immediately after use.

Coverage (total)

Concrete (precast and cast in place): 0.25-0.3 litres / m²

Concrete block, brick, or stucco: 0.25-0.4 litres / m²

Coverage rates will vary with the texture and porosity of the substrate. Test applications or actual job-site substrate samples will determine the actual rate.

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Caution

PARKCOAT contains propylene glycol, calcium carbonate, titanium dioxide, kaolin clay, zinc oxide, silicon dioxide

Risks

May cause eye, skin or respiratory irritation. Ingestion may cause irritation. INTENTIONAL MISUSE BY DELIBERATELY INHALING THE CONTENTS MAY BE HARMFUL OR FATAL.

Precautions

KEEP OUT OF THE REACH OF CHILDREN. Avoid contact with eyes, skin and clothing. Use with adequate ventilation. DO NOT take internally. Wash thoroughly after handling. Use impervious gloves, eye protection and if the TLV is exceeded or if used in a poorly ventilated area, use NIOSH/MSHA approved respiratory protection in accordance with federal, state and local regulations. Keep container closed when not in use.

First aid

Eye contact, flush thoroughly with water for at least 15 minutes. SEEK MEDICAL ATTENTION. In case of skin contact, wash affected areas with soap and water. If irritation persists, SEEK MEDICAL ATTENTION. If inhalation causes physical discomfort, remove to fresh air. If discomfort persists or any breathing difficulty occurs, or if swallowed, SEEK IMMEDIATE MEDICAL ATTENTION. Refer to Material Safety Data Sheet (MSDS) for further information.

VOC content

75 g/L or 0.62 lbs/gal less water and exempt solvents.

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* Properties listed are based on laboratory controlled tests.

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