

PRODUCT TECHNICAL DATA SHEET



PDS No: 9048

Product Details

Product Code: 2651
Product Name: RAPIDkote
Other Name(s): Waterborne garage floor paint

Description

RAPIDkote is a premium quality, single pack, water based paint with extremely good wear resistant properties. It is a tough coating with fast drying characteristics.

RAPIDkote is a water based, interior/exterior coating with a unique cross-linking technology that gives a tough, hard wearing finish. RAPIDkote is designed for use on domestic and light commercial concrete floors, garages, driveways, warehouses, paths and patios. RAPIDkote is resistant to hot tyres. RAPIDkote is not recommended for timber decking, but can be used in small areas such as porches and verandas.

Features and Benefits

May be used on suitably prepared:

Concrete floors, walls, steps, paths, paving slabs and driveways. Fibre cement board, Porches and verandas. Also ideal as a tough, hardwearing, washable wall coating over concrete. Ideal for cow sheds, food preparation areas and chillers.

- Easy application.
- Excellent abrasion resistance.
- Excellent flow and application properties.
- Excellent coverage.
- Fast dry, Re-coat in 4 hours.
- Non yellowing.
- Self-priming.
- Tough coating suitable for garage floors.
- Water resistant.
- Non yellowing.
- Can be used where traditional solvent paving paints are used.
- Easy application properties with excellent flow and levelling.
- Excellent durability.

Limitations and Precautions

Do not apply when the surface temperature is below 10°C or above 35°C.

Do not drive on the painted surface for 5 days after painting.

PRODUCT TECHNICAL DATA SHEET



PDS No: 9048

Physical Properties

Resin Type	Unique cross-linking acrylic
Colour	Grey
Gloss at 60° viewer	20 – 25%
Typical gloss terminology:	
Full gloss	85% – 100%
Gloss	60% – 84%
Semi-gloss	20% – 59%
Low sheen	5% – 19%
Flat	0% – 4%
Specific Gravity(Kg/Ltr)	1.219
Coverage (m²/Ltr)	8 - 10m ² per litre over bare concrete 12 - 14m ² per litre over painted surface
No. of coats	Two
Recommended Film Thickness (WFT)	100 µm / coat
Dry Times(Touch Dry at 20°C and 60%RH)*	30 minutes (Touch Dry) Allow 12 hours before walking on it and 7 days before parking a vehicle on it.
*(cooler temperatures, higher film thickness and higher humidity can extend the drying time)	
Recoat time	4 hours
Flash Point	Not applicable
Packaging Sizes	4L
Thinner and cleanup	Water
Theoretical VOC(g/L)	50

Surface Preparation

Previously Unpainted Concrete Floors / New Concrete Floors

New concrete must have 28 days to cure before painting.

Smooth, bare concrete must be acid etched with diluted hydrochloric acid. This is to remove hard shiny areas by etching them to ensure they are porous and allow the paint to firmly adhere. Apply the Concrete Etch solution to the total area, allow 30 seconds for the reaction, then immediately wash off with clean water to remove the salt deposits.

Allow complete drying for at least 3 days. Apply two coats of RAPIDkote WB Garage Floor Paint, thinning the first coat by 10% with Water.

Previously Painted Concrete Floors

Thoroughly remove all loose and flaking paint. Oil, grease and any other form of contaminants must be removed by cleaning with mild detergent solutions. Touch up (spot prime) any bare areas with RAPIDkote WB Garage Floor Paint thinned at least 10% with Water. Follow with two full coats.

Check the moisture content of the concrete prior to application. A simple way is the Plastic Sheet method. Tape a 100 micron plastic sheet (400mm x 400mm) over an area to be painted. If, during 16 hours, moisture has accumulated under the sheet, this is in indication that the concrete contains too much moisture to be painted.

PDS No: 9048

Undercoat Requirements

Not Applicable

Application and Process

Apply by brush, roller or airless spray. Stir the contents thoroughly before and during use. When applying over an unknown coating, please test the adhesion over a small area.

Apply two liberal coats, at the recommended coverage rate, to a properly prepared surface. Allow at least 4 hours dry time before applying a second coat.

For Best Results:

1. For any bare concrete, thin the first coat at least 10% with water.
2. Allow 5 days curing before driving on the painted surface.
3. Use good quality brushes and rollers.

RAPIDkote may be applied by a 8 - 10mm nap roller or spray. If spaying, the area should be back rolled to ensure any excess product is removed.

Previously painted surfaces must be well sanded after cleaning. Ensure the existing paint is firmly adhered to the substrate. To ensure the surface is sound, cut a small X through the existing coating with a sharp blade. Press cellotape onto test area firmly, then pull off quickly. If any of the existing paint comes off, the surface is unsound and needs to be Removed

Bare Concrete, Paving Slabs and Fibre Cement Board

Seal with a concrete adhesion primer
Apply 2 full coats RAPIDkote.

Concrete Blocks

Seal and fill porous holes with a concrete block sealer.
Apply 1 or 2 coats RAPIDkote.

Previously Painted Surfaces

Wash area with Sugar Soap and thoroughly sand.
Spot prime bare concrete with a Adhesion Primer.
Apply 1 or 2 coats RAPIDkote.

PRODUCT TECHNICAL DATA SHEET

PDS No: 9048

Health and Safety

Please refer to Safety Data Sheet before use
Use in well ventilated areas

First Aid:

Eyes and Skin irritation – Wash with large amounts of fresh running water
If swallowed – drink 2-3 glasses of water and seek appropriate medical advice.
Inhalation-In case of exposure to high vapour concentration leading to dizziness,nausea,headache ,move the person to fresh air environment and consult a doctor

RAPIDkote is a water reducible non toxic coating. It is non flammable and requires no specific handling. We recommend the use of a barrier cream for hands when applying.

Transport	:	N/A
Class	:	N/A
Hazchem	:	N/A

Storage

Avoid freezing or temperatures in excess of 50°C
Self Life 12 Months

Spillage and Disposal

Use rags or sawdust to contain any spill and then dispose of through a commercial waste disposal organisation.

Please refer to the updated versions of Safety data sheet(SDS) and Technical Data sheet (TDS) before using any APCO Product.

KEEP OUT OF REACH OF CHILDREN

APCO Coatings (NZ) Limited

Ph. (09) 2733 041. Fax. (09) 2733 045. Physical Add. 14 Ron Driver Place, East Tamaki, Auckland 2013

The information and recommendations set down here in this document are presented in good faith and believed to be correct, APCO Coatings (NZ) Ltd gives no guarantee to the completeness and accuracy thereof.

APCO Coatings (NZ) Ltd is not be responsible for damages of any nature what so ever resulting from the use or reliance upon this information. No warranties expressed or implied or merchantability, fitness for purpose or any other nature are made hereunder with respect to information or the product to which the Technical Data Sheet refers.