

# Product Data Sheet



ViroCoat

## Environmentally Friendly, Water-Based, Floor Coating

---

### Description

Duram ViroCoat is a water based, environment friendly, tough, durable, single pack, liquid applied, urethane / acrylic, UV resistant protective 'paving-paint type' coating.

ViroCoat provides a tough, abrasion resistant, semi-flexible trafficable coating in an attractive finish - all in one can.

ViroCoat is a floor protective coating for foot and vehicular traffic and a wall coating where toughness and hardness is required.

ViroCoat is available in a range of pleasing colours. Note: If an anti-slip coating is required please refer to ViroTuff data sheet.

ViroCoat has very low VOCs and meets the 'Green Star' environment criteria.

---

### Uses

ViroCoat has been formulated for application to in-door and outdoor areas where a smooth coating is required. Please note: ViroCoat is not an anti-slip coating. Typical applications include: Floors: Warehouses, Storerooms, Garages, General floor coating Walls: Where a hard and tough protective coating is required.

---

### Suitable Surfaces

ViroCoat is suitable for most primed building substrates including: Porous concrete, Cement, Render, Brick and Block work, Plaster Board Masonry Timber. FC sheeting. Porous tiles. (Excluding fully vertified and glazed tiles). Metal. (Must be etch primed). Painted surfaces. Apply test areas to doubtful surfaces. Surfaces should be sound, stable, dry, clean and free of dirt, dust and contaminants and suitably primed.

# Specification

The information contained in this product data sheet is typical but does not constitute a full specification as conditions and specific requirements may vary from project to project. The instructions should be considered as a minimum requirement but the applicator or contractor must use their skill, knowledge and experience to carry out additional works as may be necessary to meet the requirements of the project. Specification for specific projects should be sought from the Company in writing.

## Limitations

1. The product must not be regarded as a waterproofing membrane. 2. ViroCoat is semi-flexible and may not bridge live cracks, expansion joints, joins and gaps.

## Benefits and Advantages

Other Benefits and Advantages:

- Single pack - no mixing is required.
- Brush, roller or spray applied.
- Water based.
- Low VOCs and meets the 'Green Star' environment criteria.
- UV resistant.
- Quick curing - generally overnight.
- Tough, durable & semi-flexible.
- Impact & vibration resistant.
- Odourless when cured.
- Suitable in food preparation areas.
- Suitable for light to semi-heavy duty traffic.
- Easily overcoated & repaired.
- Chemical 'splash' resistant.
- Attractive in a range of colours.
- Looks great.
- Many applications.

## Precautions in Use

ViroCoat is water-based and considered as a non hazardous product. However, when using the product common sense and good industrial hygiene should be observed. The use of gloves and eye protection against splashes is recommended. If spraying, a dust mask and goggles should be worn.

## Priming and Surface Preparation

Good preparation is essential. Surfaces must be sound, stable, dry, clean and free of dust, loose, flaking, friable material and substances that may diminish adhesion.

After surface preparation, prime all surfaces with Duram Primeseal at the minimum rate of 4m<sup>2</sup> per litre per coat and allow to dry. Highly porous or friable surface may require an additional coat of Duram Primeseal. Note: In ideal conditions, the product may be used without a primer but it is this Company's recommendation that all areas be primed and if not primed it is at the risk of the user.

#### Concrete & Porous Tiles:

Surface must be porous to allow the product to bond. The surface should be tested for porosity by spilling droplets of water on it. The prompt absorption of the droplets is a good indicator of a suitable substrate. If droplets show little sign of being absorbed the surface should be considered as doubtful for bonding purposes needing additional preparation. Examples of such surfaces includes, steel trowelled & smooth helicopter finished concrete. These surfaces must be thoroughly acid etched, washed and neutralised to provide a porous surface. This should be done in accordance with E.P.A. requirements. If acid etching is not sufficient, surfaces may require mechanical abrading or sand blasting. If concrete is as required above, prime with a good coat of Duram Primeseal and allow to dry. In exposed areas where entrapped water moisture may exist in the substrate (which can lead to bubbling) the surface must be primed with Duram Primeseal applied 3 sq.m per litre.

#### Metal:

Bare metal must be treated for rust & then etch primed and allowed to dry.

#### Painted Surfaces:

This generally applies to painted vehicles, equipment & 'Colorbond' type coated metal and good quality paint. Roughen with sandpaper or wire brush, clean or wipe with Duram Solvent. When dry apply ViroCoat.

#### Timber & Fibre - Cement Sheeting:

Sand or wire brush then clean. Prime with Duram Primeseal.

## Application

Stir thoroughly before starting the application process, then intermittently.

Apply by brush or suitable roller in coats of approximately 300 microns (0.3mm) for wall coatings or 500 microns thick ( 0.5mm) for floor coatings until desired thickness is achieved. Subsequent coats should be applied at right angles to the previous coats. Apply following coats as soon as possible after previous coat has fully dried.

By Spray:

Mask off areas not intended to be coated. Usually sprayed without dilution but if required ViroCoat can be diluted with clean water up to 10% by volume. Suitable spraying techniques is via hopper gun or airless spray.

General recommendations: (Spray at lowest practical pressure possible).

By airless spray with 32 to 35 thou tip at 1000 to 2000 psi. Remove all filters in up-take and gun.

Spray at approximately 300 microns (0.3mm) for wall coatings or 500 microns thick ( 0.5mm) for floor coatings thick per coat. Apply following coats at right angles to preceding cured coats as soon as previous coat is dry. To achieve best results, masking tape, if used, should be removed after each coat when still wet. After spraying, immediately clean equipment with water.

Irrespective of application the dry coat thickness should be a minimum of 500microns for wall coatings and 750 to 1000 microns for floor coatings.

Wear, Tear & Repair of ViroCoat.

Although ViroCoat is tough and durable the nature of the applications renders it subject to wear & damage. It is important that the coating be monitored for wear and tear and that appropriate maintenance should be carried out to retain the products optimum performance.

This is easy to carry out as follows:

To apply a maintenance or rejuvenation coat, clean surface, wire brush, wipe with Duram Prep Solvent or MEK and allow solvent to evaporate. Then apply new coat/s of ViroCoat.

1. Remove any damaged or loose areas.
2. Clean & roughen surface as well as surrounding areas.
3. Treat exposed areas as per preparation instructions.
4. Apply new ViroCoat to area including 20mm onto the existing sound Virocoat coating. Ensure adequate ventilation while applying the ViroCoat.

## Coverage

The stated average coverage rate may vary depending upon type, condition, porosity, texture of the surface and application technique.

Duram Primeseal: Minimum of 4m<sup>2</sup> per litre per coat. ViroCoat: Floors: Approximately 2 sq. m per litre per coat in minimum of 2 coats. Heavy duty areas should receive additional coat/s. Walls: Approximately 3 sq.m. per litre per coat in a minimum of 2 coats.

## Colours

Available in range of colours which are subject to change. Contact the Company for availability. NOTE: Whilst every attempt is made to replica colours, minor batch to batch

colour variations may occur & job lots should be ordered. Shelf Life: Up to 12 months in unopened containers.

## **Drying and Curing**

Drying and curing of the product is affected by type, dryness and porosity of the surface, temperature, humidity, ventilation, climate conditions and application technique and therefore drying and curing can only be given as a guide.

Indicative curing rates at 25°C at 75% R.H. @ 500 micron thick. Tack Free: 4 to 6 hours  
Solid Cure: 24 hours Full Cure: 24 to 72 hours The product is suitable for light loads after 36 hours & full load after 72 hours. The product attains full properties after 96 to 168 hours.

## **Storage**

Keep in cool, dry place, out of direct sunlight. Available in 1, 4 & 15 Pails. Store in original labeled containers that are leak free.

## **Clean Up**

Avoid spills. They are difficult to clean particularly off porous surfaces. Wet spills use an absorbent cloth and water. Equipment should be immediately cleaned with water. Ensure product does not enter drains or waterways.

## **Tiling, Topping or Top Coating**

N/A

## **Safety & Precautions**

ViroCoat is considered a non hazardous product but common sense and good industrial hygiene should prevail. If spraying, the use a good dust mask is recommended. If swallowed do not induce vomiting, give plenty of water to drink. Seek urgent medical advice. If in eyes, flush thoroughly with clean water, holding lid open to ensure any trapped product may be flushed away. If on skin, remove contaminated clothing and wash skin with soap and water. If inhaled, unlikely due to viscosity of the product, remove person to fresh air and apply artificial respiration if required and seek urgent medical attention. Ensure adequate ventilation.

For full safety data refer to the products Material Safety Data Sheet. Observe precautions as per label.

# Tests and Technical Data

Issued: 1 May 2012 | Valid to: 31 May 2015

## Conditions of Use and Disclaimer

The information contained in this Material Data Sheet is given in good faith based upon our current knowledge and does not imply warranty, express or implied. The information is provided and the product is sold on the basis that the product is used for its intended purpose and is used in a proper workmanlike manner in accordance with the instructions of the Product Data Sheet in suitable and safe working conditions. Under no circumstances will the Company be liable for loss, consequential or otherwise, arising from the use of the product.