



# Industrial Floor Protection

Copon™ and Thortex™ have been rebranded to form part of the Scotchkote range of products from 3M.



## Key questions to be asked?

*Do I require impact and abrasion resistance?*

What chemical resistance is needed?

## Slip deterrent?

Is there a need for a  
hygienic surface?

Ability to overcome the build-up of static electricity?

Existing substrate condition?

## Temperature variations?

Drainage requirements?

*Floor loadings?*

Access and time available for installation?

Care and maintenance programmes?

Design life?

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Protection Systems  
to perform  
to increasingly  
high standards

# Introduction

## 3M – Specialists in floor protection

### The Product Range

The 3M range of liquid resin based floor coating systems provide repair, maintenance and protection solutions to a wide range of flooring requirements encountered in industry and commerce.

Floor protection requires careful consideration during all stages of new build and refurbishment projects. Within any building, the floor is probably the area subjected to the greatest amount of wear and therefore requires more maintenance during its expected design life. Making the correct floor protection system selection is critical for all parties involved in the decision making process, such as architects, specifiers, contractors and end users.



### Specialists in Floor Protection

3M manufactures an extensive range of resin based floor coatings used in all industrial, commercial and public environments. The 3M Scotchkote flooring products covered by this brochure include:

- Heavy duty coatings
- Rapid drying coatings
- Hygienic coatings
- Chemical resistant coatings
- Clear sealer coatings
- Line marking coatings
- Specialist grip systems
- Anti-static coatings

### The Right Choice For Your Floor

The 3M™ Scotchkote™ Industrial Flooring product range offers the following benefits:

- Seamless
- Chemically resistant
- Hygienic
- Easy to clean
- Non dusting
- Steam cleanable
- Minimum downtime
- Impact and abrasion resistant
- Range of colours
- UV resistant
- Proven track record
- Full technical support
- Global distribution capability
- Authorised UK applicator network



## Research & Development, Quality Control

3M™ Scotchkote™ Flooring Systems are acknowledged as being at the forefront of many technological advances in resin flooring, including being one of the first companies to develop water based and solvent free systems. Scotchkote products are designed to significantly improve the appearance and performance of floors.

3M operates a Quality Management System compliant with BS EN ISO 9001:2000, a standard maintained and enhanced since our original registration in November 1989.

The diversity and quality of these flooring systems allow us to offer a range of products which can repair and protect most floors. Our reputation for developing innovative, high performance and cost-effective floor protection systems has resulted in their use in all industrial and commercial sectors in some of the world's largest companies.

### 1st Class Manufacturing Capability

All Scotchkote flooring products are manufactured in the United Kingdom from where they are distributed worldwide. Every batch of product is rigorously tested to ensure its physical properties are consistent and that the highest manufacturing standards have been maintained.

### Technical & Commercial Support

Our experience and expertise in developing flooring systems means that we have the capability and support structure to ensure the most appropriate products are recommended for each project.

3M offers a comprehensive inspection service for floors. The total support package includes site surveys, inspections, product recommendations, application guidelines, comprehensive technical and commercial advice and guidance, before and as contracts are progressing.

## Market Applications

**3M™ Scotchkote™ Flooring Systems are used in all industrial and commercial sectors due to their quality, performance characteristics and appearance.**

- Industrial Premises
- Engineering Workshops
- Chemical Process Areas
- Laboratories
- Slip Hazard Areas
- Warehouses
- Plant Rooms
- Anti Static Areas
- Manufacturing Facilities



# Thin Film Coatings

The 3M range of floor sealers and thin film coatings are designed to offer dustproofing, sealing and decorative finishes for a variety of substrates. These products provide tough and durable protection.

- Easy to apply
- Suitable for light to medium traffic
- Excellent dustproofing
- Hygienic systems
- Low cost
- Easy to clean and maintain
- Good chemical resistance
- Range of colours

#### Particularly suitable for:

- Warehouses
- Light Industrial Use
- Store Rooms
- Showrooms
- Balconies
- Corridors
- Sports Halls
- School Rooms
- Museums
- Churches

## 3M™ Scotchkote™ Floor-Tech WB 855 Water Based Epoxy

This product is a high performance, water based, twin pack, epoxy coating designed for use as a cost effective durable floor protection system.

It is simple, safe, easy to use and has excellent adhesion to any type of floor surface with the appropriate primer. Scotchkote Floor-Tech WB 855 water based epoxy is ideal for concrete, quarry tiles or previously painted surfaces. An anti-static grade of this product is also available.



## 3M™ Scotchkote™ Floor-Tech WBX 852 Self Priming Epoxy

This is a high performance, water based, twin pack, fast curing, self-priming, low gloss coating system for use on most floor surfaces. Scotchkote Floor-Tech WBX 852 self priming epoxy is hardwearing and has excellent adhesion qualities to most mineral and previously coated surfaces.



dustproofing,  
sealing &  
decorative  
finishes

# High Build Coatings

Concrete, metal, asphalt and other surfaces can be given high performance protection with the Scotchkote range of high build resin based coatings.

- Excellent impact and abrasion resistance
- Resistant to a wide range of chemicals
- Hygienic
- Easy to clean and maintain

#### Particularly suitable for:

- Heavy Industrial Use
- Breweries
- Food Factories
- Pharmaceutical Plants
- Dairies
- Warehouses
- Commercial Kitchens
- Workshops
- Canteens
- Garages
- Ramps
- Steps
- Walkways

## 3M™ Scotchkote™ Floor-Tech HB 850 High Build Epoxy

This is a twin pack, high performance, solvent free heavy duty coating.

Scotchkote Floor-Tech HB 850 high build epoxy provides excellent adhesion, abrasion, impact and chemical resistance, giving long term protection to industrial floors in aggressive environments. It is simple, safe and easy to use and provides a seamless, easy to clean surface.



## 3M™ Scotchkote™ Floor-Tech FB 857 Flexible Polyurethane

This product is a high performance, twin pack, solvent free polyurethane system specifically developed for use as a high build flexible floor coating.

Scotchkote Floor-Tech FB 857 flexible polyurethane provides outstanding abrasion, impact and chemical resistance. It is suitable for the long term protection of industrial floors operating in aggressive environments and has excellent adhesion to almost any mineral surface in combination with Scotchkote Floor-Tech FB 857 primer or Scotchkote Floor-Tech SFU 854 primer.



# Rapid Curing - Flexible

3M has developed a rapid curing clear or pigmented polyurethane based coating for all mineral floor surfaces.

3M™ Scotchkote™ Floor-Tech XF 895 Fast Curing Polyurethane is a twin pack, solvent free, high build coating ideal for floors where application time is restricted.

#### The system is:

- Easy to apply
- Suitable for light to medium traffic
- Rapid curing
- UV stable
- Flexible
- Hygienic
- Easy to clean
- Range of colours
- Gloss finish

#### Particularly suitable for:

- Warehouses
- Workshops
- Laboratories
- Corridors
- Balconies
- Ramps
- Garages
- Factory Floors
- Steps
- Walkways
- Packing Areas
- Process Areas
- Plant Rooms

## 3M™ Scotchkote™ Floor-Tech XF 895 Fast Curing Polyurethane

This product is a solvent free polyurethane twin pack coating designed as a rapid curing floor protection system. It can be applied to any prepared mineral surface in two coats and is self priming. Once applied the coating is ready for light traffic within 90 minutes. This rapid curing floor protection coating offers long term durability for floors in an industrial or commercial environment, as well as a UV stable gloss finish.

Ready for light traffic  
in 90  
minutes



# Providing Slip Deterrent Flooring

Smooth floors, both coated and uncoated, can present risks to pedestrians and users, particularly in damp or dusty conditions due to their low resistance to slip. This slip resistance can be greatly increased by the use of various grip and slip resistant treatments from the 3M™ Scotchkote™ Flooring range of products.

## Steps, Ramps and Loading Bays

For most steps, stairs, ramps and loading bays the application of a slip resistant strip or a series of strips, which can be straight or in chevron form, is sufficient to provide a high level of slip resistance.

## Slip Resistance Over Entire Floors

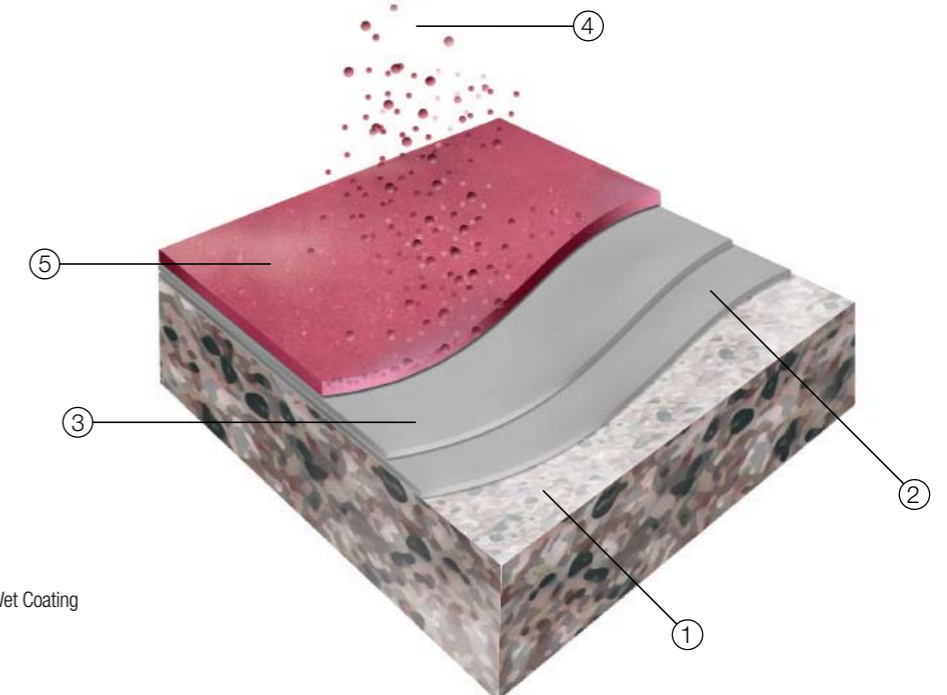
Where a requirement exists to provide slip resistant coverage to entire floor areas, graded aggregate can be introduced into the Scotchkote Floor-Tech HB 850 High Build Epoxy and Scotchkote Floor-Tech FB 857 Flexible Polyurethane systems.

3M offer a complete floor survey service

One of our technical team can visit your premises to test existing slip deterrent readings and offer advice on any relevant changes or improvements.



3M™ Scotchkote™ Grip Tech 445 Epoxy Safety System applied to surface offering optimum slip resistance



## Slip Deterrent

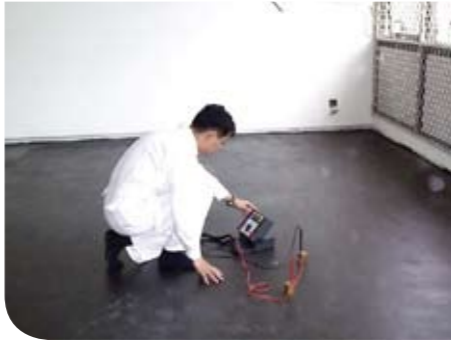
### (Broadcast System)

- 1 Substrate / Area Preparation
- 2 Primer Coating
- 3 Thin Film or High Build Coating
- 4 Granules are broadcast onto the Wet Coating
- 5 Encapsulation Coating

# Providing Anti-Static Flooring

The build-up of static electricity can create explosion risks in a number of situations, where highly flammable materials are used and where minute traces of dust can affect sensitive electronic equipment.

Anti-static flooring systems are used to prevent these problems occurring and 3M™ Scotchkote™ Flooring has two anti-static systems available to meet these requirements for application to concrete floors.



## Anti-Static Floor Coating

Areas subject to light use and mainly pedestrian traffic can be readily treated with a three coat system based on Scotchkote Floor-Tech SP 810 Conductive Grade primer and Scotchkote Floor-Tech WB 855 water based epoxy.

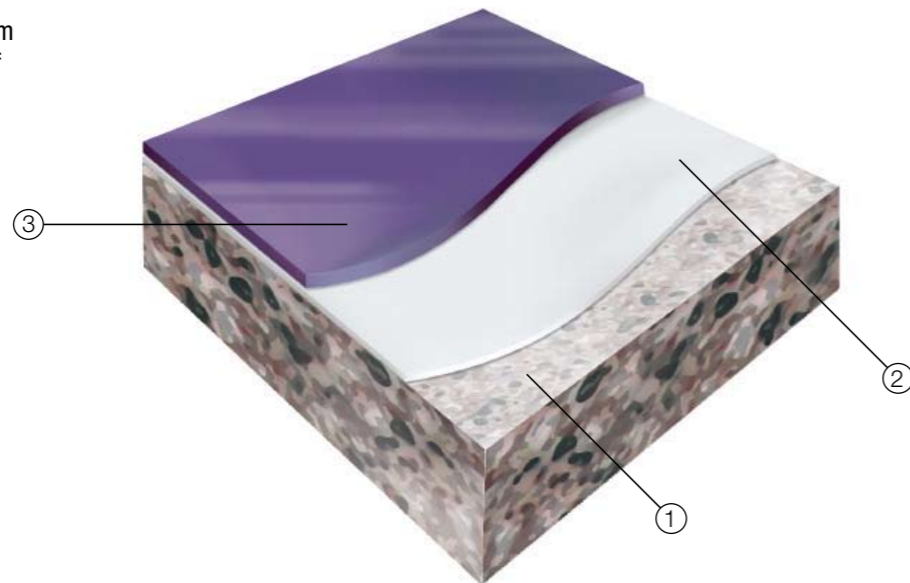
The finished system will have a surface resistance of the order of  $1 \times 10^6$  ohms.

Areas subject to heavier usage and traffic can be treated with a two coat system based on Scotchkote Floor-Tech XSL 801 anti static self smoother and Scotchkote Floor-Tech SP 810 Conductive Grade primer. The finished system will have a surface resistance of the order of  $5 \times 10^5$  to  $5 \times 10^6$

## Anti Static

(Self Smoothing and Thin Film Coating)

- 1 Substrate / Area Preparation
- 2 Conductive Primer
- 3 Self Smoothing or Thin Film Coating



# Providing Chemically Resistant Floors

Many industrial floors are subject to regular and repeated contact with a wide variety of chemicals and whilst the 3M™ Scotchkote™ Flooring systems discussed in the previous sections provide good resistance to most common chemicals, certain situations require resistance to aggressive chemicals.

Areas requiring a high order of chemical resistance are floors, bunds and containment areas in chemical plants, plating shops, laboratories, in fact anywhere where aggressive chemicals may be stored and spilled.

Scotchkote 175 Epoxy Chemical Resistant System is a specially formulated, two component, 100% solids, solvent free system offering exceptional chemical resistance and is available in two colours to aid identification between coats.

Where there is a requirement to provide a slip resistant finish as part of the chemical resistant protection, a grip system can be incorporated into the coating.

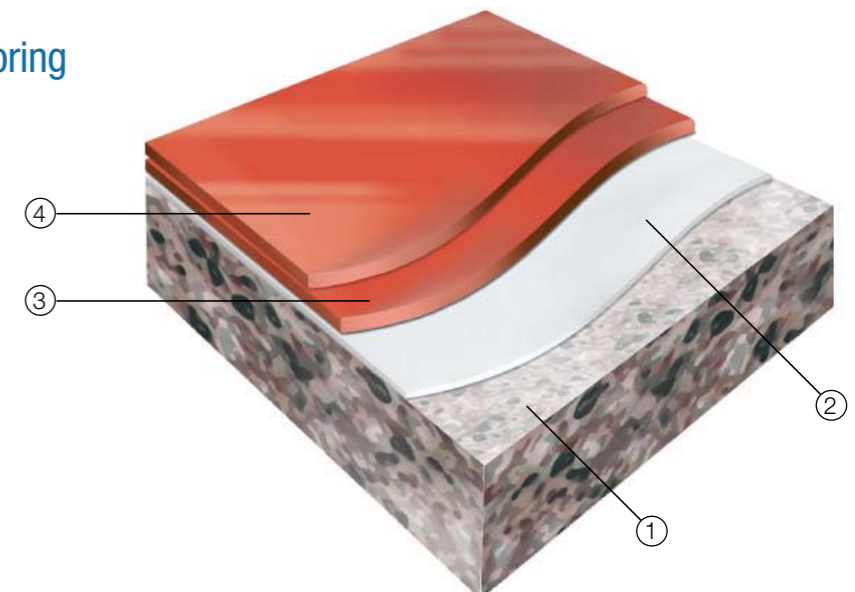


Scotchkote 175 Epoxy Chemical Resistant System can also be applied over floors that have been screeded with Scotchkote Floor-Tech RS 820 Epoxy Resurfacing Screed to provide a chemical resistant seal. This combination is especially useful to create falls, and gullies in chemical stores and to resurface and rebuild floors of containment areas.

## Chemical Resistant Flooring

(High Build Coating)

- 1 Substrate / Area Preparation
- 2 Primer Coating
- 3 First Application
- 4 Top Coat





# A Track Record of Floor Protection - Worldwide

The following list represents just a small selection of the many clients who have used 3M™ Scotchkote™ Flooring Systems.

## A Selection Of UK Projects:

Aintree Hospitals NHS Trust  
Airbus UK  
APS Berk Pharmaceuticals  
Aston Martin Lagonda  
Avery Dennison  
BAA  
Barclays Bank  
Birds Eye Walls  
BNFL  
Boehringer Ingelheim  
Boots  
British Aerospace plc  
British American Tobacco  
Britvic

Coca-Cola Schweppes  
Costco  
GlaxoSmithKline  
Hartlepool Power Station  
HJ Heinz Co. Ltd  
HM Prison Service  
ICI  
IKEA  
Jackson Rail  
Kellogg's  
Kerry's Foods Ltd  
Kimberly-Clark  
Kraft Foods  
Lister-Petter

London Underground Ltd  
Nestlé Rowntree  
Next  
North Yorkshire Police  
Nottingham City Council  
Pfizer  
Quaker Oats  
Quintiles UK Laboratories  
Sainsbury's  
Sun Valley Foods  
Tesco  
UDV Distilling Ltd  
Wessex Water  
Wincanton Distribution

## A Selection Of International Projects:

Athens Airport, Greece  
Bayer AG, Germany  
Beiersdorf, Spain  
Center Parcs, Holland  
CET Garo, Romania  
Clariant, Germany  
Coca-Cola, Peru  
Costco Wholesale, Worldwide  
Daewoo Avia, The Czech Republic  
Daimler Chrysler, South Africa  
Danone - Font Vella, Spain  
Eli Lilly Pharmaceuticals, USA

Elmwood Park Zoo, USA  
GlaxoSmithKline, Sri Lanka  
JB Chemicals, India  
Johnson & Johnson, South Africa  
Jumeria Road Residential Complex, UAE  
Kraft Foods, USA  
Lions Brewery, New Zealand  
Marriot Hotel, Qatar  
Millstone Nuclear Power Plant, USA  
Nestlé Rowntree, USA  
Opel Staiger GmbH, Germany  
Pepsi Cola, Kuwait

Pollosan SA, Columbia  
Proctor & Gamble, Poland  
Renault GmbH, Germany  
Roche, Brazil  
Seat, Spain  
Summerpride Foods, South Africa  
Tyco Ampi, Spain  
United States Navy, USA  
University of Virginia, USA  
Wyeth Pharmaceuticals, Singapore







# A Track Record of Success

The products highlighted in this brochure are part of the 3M™ Scotchkote™ Liquid Coatings range. The full range includes:

- Building Maintenance
- Concrete Protection
- Oil & Gas
- Industrial OEM
- Rail Rolling Stock
- Roofing
- Transport Infrastructure
- Water Services



3M has achieved an  
international  
reputation  
for innovation

**3M**

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