FASTOP™ SYSTEMS
POLYURETHANE CEMENT HIGH PERFORMANCE FLOORING
FASTOP™ SYSTEMS
POLYURETHANE CEMENT
HIGH PERFORMANCE FLOORING

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The FasTop polyurethane cement proven formulation has been tried and tested for over 20 years by some of the world’s largest organisations. These systems provide hygienic, chemical resistant and slip resistant flooring solutions which are extremely hard wearing, making FasTop the ideal choice for the most demanding environments.

**BENEFITS**

- Slip resistant
- High chemical resistance
- Resistant to hot water and steam cleaning
- Self-sealing
- Matt finish
- Extremely hard wearing
- HACCP certified for food facilities.

**SCOPE OF USE**

- Food manufacture and processing
- Chemical plants
- Medical and veterinary practices
- Brewing and distilling facilities
- Dairies
- Heavy duty plant and high traffic areas
- Engineering environments.
FasTop TG69 is a very heavy duty antimicrobial polyurethane cement floor screed system providing superb resistance against chemical attack, thermal shock and abrasion. A food grade non-taint and odourless product, providing slip resistance in wet and dry conditions. When installed at 9 mm thickness the system is resistant to steam cleaning, boiling water and process liquids up to 120°C and also suitable for freezer temperatures down to -40°C.

**BENEFITS**
- High chemical resistance
- Food safe and non-taint (HACCP and Campden BRI approved)
- Resistance to hot water and steam
- Self-sealing
- Excellent slip resistant finish
- Matt finish system
- Extremely hard wearing
- Non dusting

**SCOPE OF USE**
- Food manufacture and processing
- Brewing and beverage
- Dairies
- Commercial kitchens
- Pharmaceutical and chemical plant processing
- Abattoirs and meat processing facilities
- Heavy duty plant and traffic areas

**TYPICAL PHYSICAL PROPERTIES**

<table>
<thead>
<tr>
<th>Property</th>
<th>Standard</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hardness @ 24 hours, Shore D</td>
<td>BS ISO 7619-1:2010</td>
<td>72</td>
</tr>
<tr>
<td>Abrasion resistance</td>
<td>EN 13892-5</td>
<td>AR 2</td>
</tr>
<tr>
<td>Compressive strength</td>
<td>EN13892-2</td>
<td>52.9 N/mm²</td>
</tr>
<tr>
<td>Tensile strength</td>
<td>BS 6319-7</td>
<td>1.9 N/mm²</td>
</tr>
<tr>
<td>Flexural strength</td>
<td>EN 13892-2</td>
<td>0.4 N/mm²</td>
</tr>
<tr>
<td>Bond strength</td>
<td>EN13813</td>
<td>&gt;3 N/mm² (substrate failure)</td>
</tr>
<tr>
<td>Impact resistance</td>
<td>EN ISO 6272</td>
<td>&gt;4</td>
</tr>
<tr>
<td>Temperature resistance</td>
<td></td>
<td>Tolerant of temperatures up to 120°C at 9 mm</td>
</tr>
<tr>
<td>Chemical resistance</td>
<td></td>
<td>Excellent</td>
</tr>
<tr>
<td>Reaction to fire</td>
<td>EN13501-1</td>
<td>B₁₅ – s1</td>
</tr>
<tr>
<td>UV stable</td>
<td></td>
<td>No</td>
</tr>
<tr>
<td>FerFa class</td>
<td></td>
<td>Class 8</td>
</tr>
<tr>
<td>System thickness</td>
<td></td>
<td>6–9 mm</td>
</tr>
<tr>
<td>CE Marked screeds</td>
<td></td>
<td>BS EN 13813:2002</td>
</tr>
</tbody>
</table>
FasTop RS69 is a heavy duty resin rich antimicrobial polyurethane cement floor screed system providing superb resistance against chemical attack, thermal shock and abrasion. A food grade non-taint and odourless product, providing slip resistance in wet and dry conditions. For fast installation FasTop RS69 can be applied by rake, trowel or screedbox as a resin rich system. Resistant to steam cleaning, boiling water and process liquids up to 120°C and suitable for freezer temperatures down to -40°C at 9 mm thickness.

**BENEFITS**
- High chemical resistance
- Resin rich system
- Resistance to hot water and steam
- Self sealing
- Excellent slip resistant finish
- Matt finish system
- Extremely hard wearing
- Non dusting
- Food safe and non-taint (HACCP and Campden BRI approved)

**SCOPE OF USE**
- Food manufacture and processing
- Brewing and beverage
- Dairies
- Commercial kitchens
- Pharmaceutical and chemical plant processing
- Abattoirs and meat processing facilities
- Heavy duty plant and traffic areas

<table>
<thead>
<tr>
<th>Traffic</th>
<th>Cure to service (hrs)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>10°C</td>
</tr>
<tr>
<td>Light</td>
<td>24–36</td>
</tr>
<tr>
<td>Designed</td>
<td>48–72</td>
</tr>
<tr>
<td>Full cure</td>
<td>8 days</td>
</tr>
</tbody>
</table>

**TYPICAL PHYSICAL PROPERTIES**

<table>
<thead>
<tr>
<th>Property</th>
<th>Standard</th>
<th>Requirement</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hardness @ 24 hours, Shore D</td>
<td>BS ISO 7619-1:2010</td>
<td>72 N/mm²</td>
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<tr>
<td>Abrasion resistance</td>
<td>EN 13892-5</td>
<td>AR 1</td>
</tr>
<tr>
<td>Compressive strength</td>
<td>EN 13892-2</td>
<td>54 N/mm²</td>
</tr>
<tr>
<td>Tensile strength</td>
<td>BS 6319-7</td>
<td>3.5 N/mm²</td>
</tr>
<tr>
<td>Flexural strength</td>
<td>EN 13892-2</td>
<td>0.5 N/mm²</td>
</tr>
<tr>
<td>Bond strength</td>
<td>EN 13813</td>
<td>&gt;3 N/mm² (substrate failure)</td>
</tr>
<tr>
<td>Impact resistance</td>
<td>EN ISO 6272</td>
<td>&gt;4</td>
</tr>
<tr>
<td>Temperature resistance</td>
<td>Tolerant of temperatures up to 120°C at 9 mm</td>
<td></td>
</tr>
<tr>
<td>Chemical resistance</td>
<td>Excellent</td>
<td></td>
</tr>
<tr>
<td>Reaction to fire</td>
<td>EN 13501-1</td>
<td>Bₙ - s1</td>
</tr>
<tr>
<td>UV stable</td>
<td>No</td>
<td></td>
</tr>
<tr>
<td>FerFa class</td>
<td>Class 8</td>
<td></td>
</tr>
<tr>
<td>System thickness</td>
<td>6–9 mm</td>
<td></td>
</tr>
<tr>
<td>CE Marked screeds</td>
<td>BS EN 13813:2002</td>
<td></td>
</tr>
</tbody>
</table>
**FASTOP™ SL45**

**POLYURETHANE CEMENT SELF-LEVELLING FLOOR SCREED SYSTEM**

FasTop SL45 is a 4–5 mm thick antimicrobial polyurethane cement self-levelling resin floor system which provides a heavy duty finish with superb resistance against chemical attack, hot water and abrasion. FasTop SL45 is a food grade, non-taint odourless product and provides a smooth profile making it ideal for food and beverage production areas where maximum hygienic standards are required. FasTop SL45 is also suitable for freezer temperatures down to -25°C.

**BENEFITS**
- High chemical resistance
- Resistance to hot water
- Self-sealing
- Extremely hard wearing
- Food safe and non-taint, (HACCP and Campden BRI approved)
- Non dusting
- Matt finish

**SCOPE OF USE**
- Food manufacture and processing
- Brewing and beverage
- Dairies
- Commercial kitchens
- Pharmaceutical and chemical plant processing
- Abattoirs and meat processing facilities
- Heavy duty plant and traffic areas

**TYPICAL PHYSICAL PROPERTIES**

<table>
<thead>
<tr>
<th>Traffic</th>
<th>Cure to service (hrs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Light</td>
<td>24–36</td>
</tr>
<tr>
<td>Designed</td>
<td>72–96</td>
</tr>
<tr>
<td>Full cure</td>
<td>8 days</td>
</tr>
</tbody>
</table>

- **Hardness @ 24 hours, Shore D**
  - BS ISO 7619-1:2010
  - 80

- **Abrasion resistance**
  - BS EN 13892-5:2003
  - AR 0.5

- **Compressive strength**
  - BS EN ISO 604:2003
  - 54 MPa

- **Tensile strength**
  - BS EN ISO 527-2:2012
  - 7 N/mm²

- **Flexural strength**
  - BS EN ISO 178+A1:2013
  - 14 N/mm²

- **Bond strength**
  - BS EN 13892-8:2002
  - >3 N/mm² (substrate failure)

- **Impact resistance**
  - EN ISO 6272
  - >4

- **Temperature resistance**
  - Tolerant of temperatures up to 90°C at 5 mm

- **Chemical resistance**
  - Excellent

- **Reaction to fire**
  - BS EN 13501-1:2018
  - BFL – s1

- **UV stable**
  - No

- **FerFa class**
  - Class 7

- **System thickness**
  - 4–5 mm

- **CE Marked screeds**
  - BS EN 13813:2002
FasTop SL23 is a 3 mm thick antimicrobial polyurethane cement self-levelling resin floor system which provides a heavy duty finish with superb resistance against chemical attack, hot water and abrasion. FasTop SL23 is a food grade, non-taint and odourless product making it ideal for food and beverage production areas where a smooth finish is required for maximum hygienic standards. FasTop SL23 is also suitable for freezer temperatures down to -20°C.

**BENEFITS**
- High chemical resistance
- Resistance to hot water
- Self-sealing
- Extremely hard wearing
- Food safe and non-taint (HACCP and Campden BRI approved)
- Non dusting
- Matt finish

**SCOPE OF USE**
- Food manufacture and processing
- Brewing and beverage
- Dairies
- Commercial kitchens
- Pharmaceutical and chemical plant processing
- Abattoirs and meat processing facilities
- Heavy duty plant and traffic areas

**TYPICAL PHYSICAL PROPERTIES**

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hardness @ 24 hours, Shore D</td>
<td>82</td>
</tr>
<tr>
<td>Abrasion resistance</td>
<td>AR 0.5</td>
</tr>
<tr>
<td>Compressive strength</td>
<td>43 MPa</td>
</tr>
<tr>
<td>Tensile strength</td>
<td>7 N/mm²</td>
</tr>
<tr>
<td>Flexural strength</td>
<td>26 N/mm²</td>
</tr>
<tr>
<td>Bond strength</td>
<td>&gt;3 N/mm² (substrate failure)</td>
</tr>
<tr>
<td>Impact resistance</td>
<td>&gt;4</td>
</tr>
<tr>
<td>Temperature resistance</td>
<td>Tolerant of temperatures up to 80°C at 3 mm</td>
</tr>
<tr>
<td>Chemical resistance</td>
<td>Excellent</td>
</tr>
<tr>
<td>Reaction to fire</td>
<td>BFL – s1</td>
</tr>
<tr>
<td>UV stable</td>
<td>No</td>
</tr>
<tr>
<td>FerFa class</td>
<td>Class 5</td>
</tr>
<tr>
<td>System thickness</td>
<td>3 mm</td>
</tr>
<tr>
<td>CE Marked screeds</td>
<td>BS EN 13813:2002</td>
</tr>
</tbody>
</table>
FASTOP™ DP
POLYURETHANE CEMENT TEXTURED
FLOOR SCREED SYSTEM

FasTop DP is a heavy duty polyurethane cement screed designed to create uniform non-slip finishes whilst providing excellent thermal shock resistance for a variety of industrial environments. FasTop Multi DP is laid between 5–7 mm and broadcast with a choice of three aggregates to give a non-slip finish in areas that are wet and/or exposed to greases and oils.

**Benefits**
- High chemical resistance
- Slip resistant texture
- Resistance to hot water
- Self-sealing
- Extremely hard wearing
- Non dusting
- Matt finish
- Food safe and non-taint
  (Campden BRI approved)

**Scope of Use**
- Food manufacture and processing
- Brewing and beverage
- Dairies
- Commercial kitchens
- Pharmaceutical and chemical plant processing
- Abattoirs and meat processing facilities
- Heavy duty plant and traffic areas

**Typical Physical Properties**

<table>
<thead>
<tr>
<th>Property</th>
<th>BS Standard</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hardness @ 24 hours, Shore D</td>
<td>BS ISO 7619-1:2010</td>
<td>80</td>
</tr>
<tr>
<td>Abrasion resistance</td>
<td>BS EN 13892-4:2002</td>
<td>AR 4</td>
</tr>
<tr>
<td>Compressive strength</td>
<td>BS EN 31892-2:2002</td>
<td>34.6 MPa</td>
</tr>
<tr>
<td>Tensile strength</td>
<td>BS EN 13892-2:2002</td>
<td>2.4 N/mm²</td>
</tr>
<tr>
<td>Flexural strength</td>
<td>BS 6319-7:1985</td>
<td>5.8 N/mm²</td>
</tr>
<tr>
<td>Bond strength</td>
<td>BS EN 13892-8:2002</td>
<td>&gt;2.8 N/mm²</td>
</tr>
<tr>
<td>(substrate failure)</td>
<td></td>
<td>(substrate failure)</td>
</tr>
<tr>
<td>Impact resistance</td>
<td>BS EN ISO 6272-1:2011</td>
<td>&gt;4</td>
</tr>
<tr>
<td>Temperature resistance</td>
<td>Tolerant of temperatures up to 90°C at 5 mm</td>
<td></td>
</tr>
<tr>
<td>Chemical resistance</td>
<td>Excellent</td>
<td></td>
</tr>
<tr>
<td>Reaction to fire</td>
<td>BS EN 13501-1:2018</td>
<td>B₁ – s₁</td>
</tr>
<tr>
<td>UV stable</td>
<td>No</td>
<td></td>
</tr>
<tr>
<td>FerFa class</td>
<td>Class 7</td>
<td></td>
</tr>
<tr>
<td>System thickness</td>
<td>6–8 mm</td>
<td></td>
</tr>
</tbody>
</table>

*Do not splash, clean, wash or treat the resin flooring with water or any other chemicals until full cure is achieved as it may affect the surface quality and performance.*
FASTOP™ TERRAZZO
DECORATIVE POLYURETHANE CEMENT
TERRAZZO FLOOR SCREED SYSTEM

FasTop Terrazzo is a decorative polyurethane cement terrazzo screed for industrial floors. A heavy duty impervious and attractive floor is achieved with grinding, polishing and sealing the surface which exposes the decorative aggregates. Processes and any spillages can be easily cleaned to maintain the highest standards where there is high wear and an aesthetic requirement for tough seamless flooring.

**BENEFITS**
- Very hard wearing and durable
- Decorative finish
- Varied decorative colour options
- Excellent abrasion and impact resistance
- Good chemical resistance
- Designed for easy to clean and smooth surfaces

**SCOPE OF USE**
- Seamless decorative finish for buildings
- Food factories
- Retail units
- Pharmaceutical areas
- Toilets and washrooms
- Engineering facilities
- Reception areas
- Production areas

**TYPICAL PHYSICAL PROPERTIES**

<table>
<thead>
<tr>
<th>Property</th>
<th>Standard/Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hardness @ 24 hours, Shore D</td>
<td>BS ISO 7619-1:2010</td>
</tr>
<tr>
<td>Abrasion resistance</td>
<td>BS EN 13892-4:2002</td>
</tr>
<tr>
<td>Compressive strength</td>
<td>BS EN 13892-2:2002</td>
</tr>
<tr>
<td>Tensile strength</td>
<td>BS 6319-7:1985</td>
</tr>
<tr>
<td>Flexural strength</td>
<td>BS EN 13892-2:2002</td>
</tr>
<tr>
<td>Bond strength</td>
<td>BS EN 13892-8:2002</td>
</tr>
<tr>
<td>Impact resistance</td>
<td>BS EN ISO 6272-1:2011</td>
</tr>
<tr>
<td>Temperature resistance</td>
<td>Tolerant of temperatures up to 120°C at 9 mm</td>
</tr>
<tr>
<td>Chemical resistance</td>
<td>Good</td>
</tr>
<tr>
<td>Reaction to fire</td>
<td>BS EN 13501-1:2018</td>
</tr>
<tr>
<td>UV stable</td>
<td>No</td>
</tr>
<tr>
<td>FerFa class</td>
<td>Class 8</td>
</tr>
<tr>
<td>System thickness</td>
<td>9 mm</td>
</tr>
</tbody>
</table>

**Traffic**

<table>
<thead>
<tr>
<th>Traffic</th>
<th>10°C</th>
<th>20°C</th>
<th>30°C</th>
</tr>
</thead>
<tbody>
<tr>
<td>Light</td>
<td>24–36</td>
<td>12–16</td>
<td>8–12</td>
</tr>
<tr>
<td>Designed</td>
<td>72–96</td>
<td>48–72</td>
<td>24–48</td>
</tr>
<tr>
<td>Full cure</td>
<td>8 days</td>
<td>Up to 7 days</td>
<td>5 days</td>
</tr>
</tbody>
</table>

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**Do not splash, clean, wash or treat the resin flooring with water or any other chemicals until full cure is achieved as it may affect the surface quality and performance.**
## FASTOP ANCILLARY PRODUCTS

### FASTOP MULTI WR COVING SYSTEM

The use of coved skirting’s around food factory floors is standard practice to create a tanked resin system to enhance the washing down of areas for maximum hygienic standards. This enables a smooth transition to be made from floor to wall with a permanent finish which can be cleaned and will not harbour dirt and bacterial growth. FasTop resin coving cures to a much harder finish than concrete and provides a smooth finish for a long-term solution which resists hot water and impact. Coving would usually be formed with a radius at a thickness of around 4 mm on the vertical typically to a height of 150 mm though this could be lower or higher as required. The coving would usually be fixed to a stainless steel or plastic ‘birds beak’ trim at the top which is pre-installed to the wall/substrate.

In food factories, where maximum impact can occur against coving with pallet trucks and fork lift traffic a concrete kerb can be installed to withstand this. FasTop coving can be applied up and over this kerb to complete the resin floor finish with integrated skirtings and upstands creating a ‘bunded’ hygienic area.

### FASTOP MULTI BU

FasTop BU is a granite re-inforced polyurethane cement infill screed designed to make good holes and indentations in a substrate prior to the application of FasTop self smoothing and FasTop screed systems. FasTop BU can also be used to back fill drainage channels and create falls across floor areas to control the flow of water and other liquids towards drains as required in a production facility. This is often essential in food factories where daily washdowns and regular cleaning are enhanced with correctly set floors promoting maximum hygiene and efficiency.

| 0 | Substrate:  
|   | Concrete/cementious screed |
| 1 | Anchor joint:  
|   | Anchor in FasTop RS69/TG69 |
| 2 | Primer:  
|   | FasTop Multi Primer |
| 3 | Screed:  
|   | FasTop Multi RS69/TG69 |
| 4 | Toe-in anchor joint:  
|   | FasTop Coving ‘toe-in’ into RS69/TG69 |
| 5 | Coving primer:  
|   | Resuprime MVT |
| 6 | Coving material:  
|   | FasTop Multi WR |
| 7 | Trim:  
|   | Brushed steel/plastic |

### FASTOP ADD MULTI WR COVING BENEFITS

- Suitable for forming radius coves
- Seamless finish
- High chemical resistance
- Resistant to hot water and steam
- Matt finish
- Extremely hard wearing

### FASTOP MULTI BU BENEFITS

- Can be applied from 6 mm to 100 mm
- Fast curing
- Self sealing
- High strength
- Matt finish
- Food safe and non-taint
- Extremely hard wearing
INSTALLATION
SCREED FLOORING SYSTEMS

Substrate:
Concrete/cementious screed

Expansion joint:
Pre-cut joint created when concrete is laid

Toe-in joint:
Prevents shrinkage whilst product dries

Cavity filler:
Backing rod/foam filler

Bedding mortar:
FasTop Multi BU

Drain:
Stainless steel grid

Primer:
FasTop Multi Primer

Screed:
FasTop Multi TG69/RS69

Flexible jointing material:
Epo-Flex VJ

Coving Primer:
Resuprime MVT

Coving:
FasTop Multi WR

Trim:
Brushed steel/plastic

For application guidance please see our range of FasTop Multi system guides which can be found on our website, or through contacting your local Sherwin-Williams High Performance Flooring representative.
COLOUR RANGES

AVAILABLE COLOURS FOR SELF LEVELLING SCREEDS – FASTOP SL23 AND SL45

- Light Grey
- Mid Grey
- Dark Grey
- Black
- Buff
- Marigold
- Orange
- Red
- Green
- Blue

AVAILABLE COLOURS FOR SCREEDS – FASTOP RS69 AND TG69

- Light Grey
- Mid Grey
- Dark Grey
- Black
- Buff
- Marigold
- Orange
- Red
- Green
- Blue

AVAILABLE COLOURS FOR FASTOP TERRAZZO

- Light Grey
- Mid Grey
- Dark Grey
- Black
- Buff
- Marigold
- Orange
- Red
- Green
- Blue
DESIGNED TO PERFORM

Sherwin-Williams Protective & Marine delivers world-class industry subject matter expertise, unparalleled technical and specification service, and unmatched regional commercial team support to our customers around the globe. Our broad portfolio of high-performance coatings and systems that excel at combating corrosion helps customers achieve smarter, time-tested asset protection. We serve a wide array of markets across our rapidly growing international distribution footprint, including oil and gas, water and wastewater, bridge and highway, steel fabrication, flooring, food and beverage, rail and power, marine and passive fire protection.

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