

Transforming Social Housing Environments

- ✓ External Balconies
- ✓ Entrance Areas
- ✓ External Landscaping
- ✓ Internal Walkways
- ✓ Stairwells
- ✓ Refuse Areas

Floor, Wall, Soffit & Ceiling Protection Solutions

With expenditure on repair and maintenance representing a significant slice of annual budgets for social landlords, it is important to ensure that specified materials deliver a good return on investment, lifecycle efficiencies and a positive impact on sustainability.

Selecting durable, wear resistant and environmentally friendly building materials when embarking on renovation works in existing social developments is essential to protecting the building against the adverse effects of weather as well as trafficking and general wear and tear for future generations.

In many scenarios, social housing maintenance must be carried out with minimal disruption to the present occupants and returned to service under a fast turnaround, making renovation projects ever the more challenging.

Flowcrete UK manufactures a range of low VOC, high performance floor, wall, soffit and ceiling protection systems for social housing developments, which have been innovated to deliver accelerated cure times while at the same time strike a balance between aesthetics and functionality.

All systems are installed by a network of approved application teams and come backed by one manufacturer's warranty.

Application Suitability



External Balconies



Internal Walkways



Entrance Areas



Stairwells



Hard Landscaping



Refuse Areas

What is included?

✓	Protective coatings for floors, walls, soffits & ceilings
✓	Free fire risk assessment (BEng A1 FIRE E)*
✓	Minimal disturbance to tenants
✓	Value engineering
✓	Fire resistant to Class O
✓	Accredited to BS & ISO standards
✓	FMB backed insurance & warranty
✓	Quarterly inspections for 3 years
✓	Cleaning & maintenance training
✓	Full & half wall strip available

*Contact your local Flowcrete representative for further details.



The History of Social Maintenance

In the 1960's, asphalt was frequently used by developers on social housing developments to protect and waterproof external concrete balconies as well as to provide an anti-slip surface.

As a result of exposure to the elements, the asphalt deteriorated over time, leading to water ingress into the concrete substrate. Water ingress results in the early onset of concrete cracking, steel corrosion and water damage to residential properties below.

Flowcrete UK's advanced protection systems can be laid on top of existing asphalt surfaces to treat and protect the structure.





Flowfast SHF (4mm)

A slip-resistant, fast cure methyl methacrylate (MMA) floor system with a decorative flake finish...

Ready to receive traffic in two hours, Flowfast SHF minimises disturbance to residents, while offering a durable finish that withstands chemical attack, impact and heavy traffic.



Fast cure for minimal disturbance to occupants



Eye-catching with a decorative flake finish



Slip, abrasion and impact resistant



Suitable for internal and semi-exposed areas

Technical Profile

REACTION TO FIRE:	
EN 13501-1	C _{FL} - s1
WATER PERMEABILITY:	
Karsten Test	Nil (Impermeable)
THERMAL RESISTANCE:	
Tolerant up to 50°C	
SLIP RESISTANCE:	
BS 7976-2	Wet >20
IMPACT RESISTANCE:	
EN ISO 6272	10 Nm
WEAR RESISTANCE:	
EN 13892-5	<1cm ³
BOND STRENGTH:	
EN 13892-8	>2.5 N/mm ²

Flowfast SHQ is available using quartz aggregates for increased slip resistance and durability in high traffic areas. Please contact your local Flowcrete representative for further information. A full technical profile is available at www.flowcrete.co.uk

Deckshield Rapide SH

(4-5mm)

A solvent free, fast cure deck coating system that minimises disturbance to residents...

Heavy duty Deckshield Rapide SH offers enhanced resistance to UV light, is weather resistant and available in a range of bright colours to transform external exposed walkways.



Compliant to BS EN 1504



Highly durable for use on fully exposed and back-of-house areas



Chemical, fire and slip resistant



Eye-catching and available in a range of bright colours



Fast cure for minimal disturbance to occupants

Technical Profile

REACTION TO FIRE:

EN 13501-1	C _{FL} - s1
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SLIP / SKID RESISTANCE:

EN 13036-4	Class III: >55 units Wet (outside)
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ABRASION RESISTANCE:

EN ISO 5470-1	Weight loss <3000mg using H22 wheel, 1000 cycles, load 1000g
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IMPACT RESISTANCE:

EN ISO 6272-1	Class II: ≥ 10 Nm
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CAPILLARY ABSORPTION & PERMEABILITY TO WATER:

EN 1062-3	w <0.1kg/m ² × h ^{0.5}
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CRACK BRIDGING ABILITY:

EN 1062-7 Method A, Table 6	Class A3 (-20°C)
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ARTIFICIAL WEATHERING:

EN 1062-11:2002	No blistering, no cracking and no flaking after 2000h of accelerated UV exposure.
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A full technical profile is available at www.flowcrete.co.uk



Naturewalk Pave

(12–18mm)

A seamless and slip resistant resin bound gravel system used to hard landscape outdoor areas...

Naturewalk Pave offers a seamless alternative to block paving, eliminates the cracks where weeds can grow and provides a durable replacement for loose stone or gravel.



Slip resistant to BS 7976-2



Eye-catching and available in a range of natural colour blends



Wear resistant under heavy footfall



Impact and abrasion resistant



Highly resistant to UV exposure

Technical Profile

SLIP RESISTANCE:

BS 7976-2	Dry >40, Wet >40 (low slip potential)
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IMPACT RESISTANCE:

ISO 6272-1	13 Nm
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TEMPERATURE RESISTANCE:

Softens over 70°C, hardens on cooling

WATER PERMEABILITY:

Karsten Test	Nil (Impermeable)
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CHEMICAL RESISTANCE:

Contact Technical Department. Good resistance to tea, coffee, cola, fruit juice, detergents and bleach.

ABRASION RESISTANCE:

Dependant on aggregate selection. Use bauxite for heavier duty wear and vehicular traffic.

BOND STRENGTH:

> 1.5 N/mm²

*Assumes concrete cohesive strength is greater than 25 N/mm²
A full technical profile is available at www.flowcrete.co.uk





Deckshield Anti-Graffiti (0.20mm)

A bright water-based wall coating that delivers a graffiti and scratch resistant finish...

Deckshield Anti-Graffiti is resistant to spray paints and permanent marker as well as water and oli-based inks amongst others.



Graffiti resistant with no need for re-application once cleaned



Compliant to Class 0 (Approved Document B)



Highly resistant to UV exposure

PLEASE NOTE: Deckshield Anti-Carbonation is also available to provide a protective coating for concrete and masonry soffits as well as walls and upstands.

Technical Profile

FIRE RESISTANCE:

Complies with UK Building Regulations 2000 for Class 0.

EN 13501-1

B_{FL} - s1

TEMPERATURE RESISTANCE:

Tolerant up to 70°C

VAPOUR PERMEABILITY:

ASTM:E96:90

20g/ m² / mm 24hr

SURFACE HARDNESS:

Koenig Hardness Test

182 secs

ABRASION RESISTANCE:

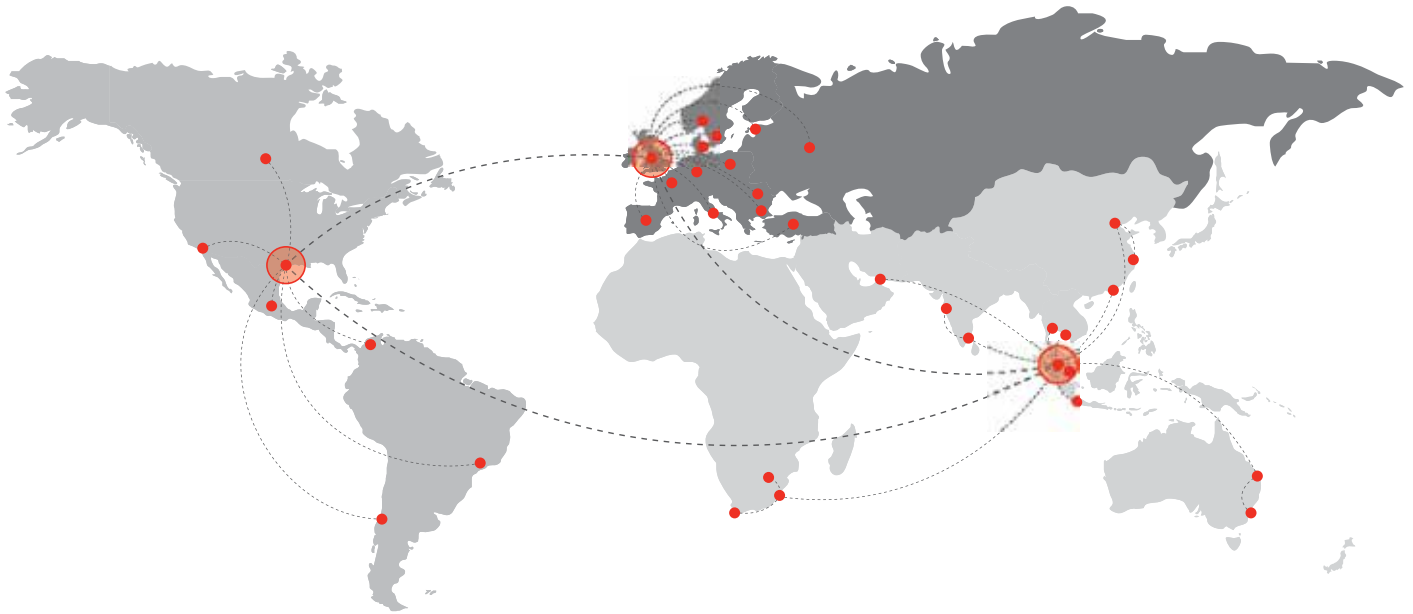
EN ISO 5470-1

Weight loss <3000mg using H22 wheel, 1000 cycles, load 1000g

BOND STRENGTH:

> 1.5MPa*

*Assumes concrete compressive strength is greater than 25 N/mm²
Peran WW available for use on skirting. Please contact your local Flowcrete representative for further information. A full technical profile is available at www.flowcrete.co.uk



Flowcrete Group

Flowcrete Group Ltd is the world's leading specialist in seamless resin flooring, screeds and other coating technologies, with operations across five continents.

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