

# smet®



## Floor Screeds & Compounds

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smet

PRIMER and DAMP PROOF MEMBRANE		
	<b>SMET Universal Floor Primer</b>	<b>Uzin PE 480 DPM</b>
<b>Product Description</b>	A light-blue, solvent-free, fast-drying, synthetic resin primer for high or variable suction substrates. For pretreatment of cement screeds, calcium sulphate-based screeds, board subfloors, gypsum plasterboard & gypsum fibreboard, lime/cement render and gypsum plasterwork	A 2-component epoxy DPM & primer on absorbent & nonabsorbent substrates with very high rising & residual moisture prior to floor covering, wood flooring & tiling work. Use as a DPM on cementitious & gypsum based screeds, to a maximum rising & residual moisture value of 99.9% RH+r
<b>Yield</b>	100 – 200 g/m <sup>2</sup> depending on substrate absorption	250 - 500 g/m <sup>2</sup> per coat (at 20 °C & 65% relative humidity)
<b>Unit Size</b>	25 kg, 10 kg, or 5 kg	5kg, 10 kg

SCREED ADDITIVES		
	<b>SMET SBR Bond</b>	<b>SMET Screed Fibres</b>
<b>Product Description</b>	SBR is designed as an admixture for concrete repair, floor screeds and toppings, external rendering, waterproofing and tanking, fixing brick slips and tiles, corrosion protection of steel, silage pit lining and protection	High performance fibrillated polypropylene fibres specially designed for use in screeds. They can be used as a replacement for non-structural steel mesh
<b>Yield</b>		1kg / m <sup>3</sup> screed
<b>Unit Size</b>	25 L	1 kg

## Useful Information

### Authority

**EN 13813: 2002** Screed material & floor screeds – Screed material – Properties & requirements

**EN 13454-1: 2004** Binders, composite binders and factory made mixtures for floor screeds based on calcium sulphate

**BS 8204-1: 2003** Screeds, bases and in situ floorings. Concrete bases and cementitious levelling screeds to receive floorings – Code of practice

**BS 8204-2: 2003** Screeds, bases and in situ floorings. Concrete wearing surfaces – Code of practice

**BS 8204-3: 2004** Screeds, bases and in situ floorings. Polymer modified cementitious levelling screeds and

wearing screeds – Code of practice

**BS 8204-4: 2004** Screeds, bases and in situ floorings. Cementitious terrazzo wearing surfaces – Code of practice

**BS 8204-5: 2004** Screeds, bases and in situ floorings. Mastic asphalt underlays and wearing surfaces – Code of practice

**BS 8204-6: 2008** Screeds, bases and in situ floorings. Synthetic resin floorings – Code of practice

**BS 8204-7: 2003** Screeds, bases and in situ floorings. Pumpable self-smoothing screeds – Code of practice

### Screed Construction

**Bonded construction:** The screed is laid directly onto a set and hardened base.

**Unbonded construction:** The screed is laid onto a membrane that separates the screed from the base.

**Floating construction:** The screed is laid onto an insulation board for thermal insulation or void filling, or onto an impact sound insulation sheet.

### Datum

The maximum permissible departure of the level of the direct finished slab or levelling screed from a specified or agreed datum plane should be specified taking into account the area of the floor and its end use. For large areas for normal purposes a departure of up to 15 mm from datum is generally considered to be satisfactory. Greater accuracy to datum can be necessary in small rooms, along the line of partition walls, in the vicinity of door openings and where specialized equipment is to be installed directly on the floor.

### Tolerances on level and surface regularity

Class	Maximum permissible departure from a 3m straight edge resting in contact with the floor (BS 8204-7)	Application
SR1	3mm	High Standard
SR2	5mm	Normal Standard
SR3	10mm	Utility Standard

## Smet Flooring Products Suitable for Hand and Machine Application









	Calcium Sulphate Based Screed Binders				Self Smoothing Calcium Sulphate Based Screeds & Compounds			
	<b>CASEA</b>	<b>CASEA</b>	<b>CASEA</b>	<b>CASEA</b>	<b>CASEA</b>	<b>CASEA</b>	<b>CASEA</b>	<b>CASEA</b>
	Südanit 230 Raddiplus NA	Südanit 280 Raddiplus A	Südanit 300 Raddiplus NT	Südanit 400 Raddiplus T	Casufloor FS	Casufloor C25/F5	Casufloor C30/F6	Casufloor DE
Product Description	Alpha Hemi Hydrate binder compound for the production of standard setting Flowing Screeds, mixed on site or used for blending in Dry Mortar Plants and Transmix	Alpha Hemi Hydrate binder compound for the production of rapid setting Flowing Screeds, mixed on site or used for blending in Dry Mortar Plants and Transmix	Natural-Thermal Anhydrite binder compound for the production of Flowing Screeds, mixed on site or Concrete Batching Plant	Thermal Anhydrite binder compound for the production of Flowing Screeds, mixed on site, blending in Dry Mortar Plants or Concrete Batching Plant	Alpha Hemi Hydrate Premix Levelling Compound, ideally suited for re-levelling Calcium Sulphate based Screeds, mixed on site, just add water	Alpha Hemi Hydrate Premix Flowing Screed, mixed on site, just add water	Alpha Hemi Hydrate Premix Flowing Screed, mixed on site, just add water	Alpha Hemi Hydrate Premix, Fine Flow, reduced thicknesses, mixed on site, just add water
EN 13813	EN 13454-1	EN 13454-1	EN 13454-1	EN 13454-1	CA-C30-F7	CA-C25-F5	CA-C30-F6	CA-C30-F6
Min. Thickness	20mm (bonded)	20mm (bonded)	20mm (bonded)	20mm (bonded)	2mm	20mm (bonded)	20mm (bonded)	10mm (bonded)
	30mm (unbonded)	30mm (unbonded)	30mm (unbonded)	30mm (unbonded)		30mm (unbonded)	30mm (unbonded)	30mm (unbonded)
	35mm (floating)	35mm (floating)	35mm (floating)	35mm (floating)		35mm (floating)	35mm (floating)	
Max. Thickness	90mm	90mm	90mm	90mm	10mm	90mm	90mm	30mm
Compressive Strength	C20/C30/C40	C20/C30/C40	C20/C30/C40	C20/C30/C40	C30	C25	C30	C30
Flexural Strength	F4/F6/F7	F4/F6/F7	F4/F6/F7	F4/F6/F7	F7	F5	F5	F6
Bond Strength								
Abrasion Resistance								
Flow Rate	220-260mm	220-260mm	220-260mm	220-260mm	220-240mm	220-260mm	220-260mm	220-260mm
Yield	min. 30%	min. 25%	min. 30%	min. 30%	1.5 kg/mm/m <sup>2</sup>	1.8 kg/mm/m <sup>2</sup>	1.8 kg/mm/m <sup>2</sup>	1.8 kg/mm/m <sup>2</sup>
Water Demand (per bag)	15-18%	15-18%	15-18%	15-18%	6.5 L	3.75 - 4.5 L	3.75 - 4.5 L	3.75 - 4.75 L
Suitable substrates	New + Old Concrete/ Screed, Insulation, Wood, PU	New + Old Concrete/Screed, Insulation, Wood, PU	New + Old Concrete/ Screed, Insulation, Wood, PU	New + Old Concrete/ Screed, Insulation, Wood, PU	New + Old Concrete/ Screed, Insulation, Wood, PU	New + Old Concrete/ Screed, Insulation, Wood, PU	New + Old Concrete/ Screed, Insulation, Wood, PU	New + Old Concrete/ Screed, Insulation, Wood, PU
External Use	No	No	No	No	No	No	No	No
Unit Size	25 kg, 1.2 T, Bulk	25 kg, 1.2 T, Bulk	25 kg, 1.2 T, Bulk	25 kg, 1.2 T, Bulk	25 kg	25 kg	25 kg	25 kg
Units Per Pallet	42	42	42	42	42	42	42	42

# Smet Flooring Products Suitable for Hand and Machine Application

## Self Smoothing Cement Based Screeds & Compounds for Commercial and Domestic Applications

	<b>CASEA</b>	<b>Sopro</b>	<b>Sopro</b>	<b>Sopro</b>	<b>Sopro</b>	<b>Sopro</b>	<b>Sopro</b>	<b>Sopro</b>	<b>Sopro</b>
	BAM	SLC 578	FS 5	OFS 543	FS 15 Plus	VS 582	Rapidur® FE	Rapidur® FEW	HF-S 563
<b>Product Description</b>	Cement based, self smoothing compound, standard drying for commercial and domestic applications up to 15mm	Cement based, self smoothing compound, rapid drying for commercial and domestic applications up to 40mm	Cement based, self smoothing compound, rapid drying for thin commercial and domestic applications up to 5mm	Cement based, self smoothing compound, rapid drying for smooth commercial and domestic applications up to 25mm	Cement based, self smoothing compound, rapid drying for commercial and domestic applications up to 150mm	Cement based, fibre reinforced, self smoothing compound, rapid drying for commercial and domestic applications and difficult substrates	Polishable, Cement based, self smoothing screed, rapid drying for commercial and domestic applications up to 70mm	Polishable, White Cement based, self smoothing screed, rapid drying for commercial and domestic applications up to 70mm	High Strength, Cement based, self smoothing compound, rapid drying for commercial and industrial applications up to 30mm
<b>EN 13813</b>	CT-C25-F6	CT-C20-F5	CT-C30-F7	CT-C25-F6	CT-C35-F9	CT-C35-F7	CT-C25-F5	CT-C25-F5	CT-C45-F11
<b>Min. Thickness</b>	0.5mm	3mm (bonded)	0.5mm	3mm	2mm	3mm	20mm	20mm	4mm
<b>Max. Thickness</b>	15mm	40mm	5mm	25mm	150mm	70mm	70mm	70mm	40mm
<b>Compressive Strength</b>	C25	C20	C30	C25	C35	C35	C25	C25	C45
<b>Flexural Strength</b>	F6	F5	F7	F6	F9	F7	F5	F5	F11
<b>Bond Strength</b>									
<b>Abrasion Resistance</b>	A1fl	A1fl	E	A1fl	A1fl	A1fl	A1fl	A1fl	A1fl-S1
<b>Flow Rate</b>	145-155mm	265-275mm Vicat	265-275mm Vicat	265-275mm Vicat	265-275mm Vicat	Variable	185-195mm Vicat	185-195mm Vicat	240-250mm Vicat
<b>Yield</b>	1.6 kg/mm/m <sup>2</sup>	1.6 kg/mm/m <sup>2</sup>	1.5 kg/mm/m <sup>2</sup>	1.6 kg/mm/m <sup>2</sup>	1.6 kg/mm/m <sup>2</sup>	1.7 kg/mm/m <sup>2</sup>	1.9 kg/mm/m <sup>2</sup>	1.9 kg/mm/m <sup>2</sup>	1.7 kg/mm/m <sup>2</sup>
<b>Water Demand (per bag)</b>	5.75 - 6.0 L	5.25 - 5.75 L	6.0 - 7.5 L	5.5 - 6.0 L	5.5 - 6.0 L	4.75 - 5.25 L 3.5 - 4 L to falls	3.0 L	3.0 L	4.5 - 5.0 L
<b>Suitable substrates</b>	New + Old Concrete/ Screed	New + Old Concrete/ Screed and Underfloor Heating	New + Old Concrete/ Screed and Underfloor Heating	New + Old Concrete/ Screed and Underfloor Heating	New + Old Concrete/ Screed and Underfloor Heating	New + Old Concrete/ Screed, Insulation, Wood, PU	New + Old Concrete/ Screed, Insulation, PU	New + Old Concrete/ Screed, Insulation, PU	New + Old Concrete/ Screed.
<b>External Use</b>	No	No	No	No	No	Yes with Soprodur HF-L 513 Coating	No	No	Yes with Soprodur HF-L 513 Coating
<b>Unit Size</b>	25 kg	25 kg	25 kg	25 kg	25 kg	25 kg	25 kg	25 kg	25 kg
<b>Units Per Pallet</b>	42	40	40	40	40	40	40	40	40

## Smet Flooring Products Suitable for Hand and Machine Application

	Self Smoothing Cement Based Screeds & Compounds for Industrial Applications		Design Flooring	Cement Based Screed Binders		Ready to Use Cement Based Screed		Multi Purpose & Repair Screed Mortars	
									
	HF-S 563		DFS ambiente®	Rapidur® B3	Rapidur® B5	Rapidur® M5	Rapidur® M8	RAM 3®	EE 771
Product Description	High Strength, Cement based, self smoothing compound, rapid drying for industrial applications up to 40mm		Decorative, self-levelling, rapid-set, cementitious designer floor topping for production of finished floor surfaces	Binder for the production of high strength, shrinkage controlled, rapid-drying Floor Screeds	Hydraulic Binder for the production of shrinkage controlled, rapid-drying semi-dry Floor Screeds	Ready-to-use, dry mix for economical production of rapid-drying cement screeds allowing early flooring installation. No extra sand required	Ready-to-use, screed mix for economical production of rapid-drying cement screeds allowing early flooring installation. No extra sand required	Universal, grey, sag-resistant, rapid-set, fibre-reinforced, cementitious render and surface filler for smoothing, patching and rendering of wall and floor surfaces	Ready-mixed, pigmented, two-component, epoxy-based reaction resin mortar for production of thin surface filler coats, as bonded construction or unbonded construction
EN 13813	CT-C45-F11		CT-C40-F10	CT-C40-F6	CT-C45-F7	CT-C40-F6	CT-C25-F4		CT-C60-F15
Min. Thickness	4mm 8mm forklift		5mm	15mm (bonded) 40mm (unbonded) 50mm (floating)	15mm (bonded) 40mm (unbonded) 50mm (floating)	20mm	20mm	3mm	
Max. Thickness	40mm		15mm	150mm	150mm	100mm	100mm	60mm	
Compressive Strength	C45		C40	C40	C45	C40	C25	≥ 20 N/mm <sup>2</sup>	C60
Flexural Strength	F11		F10	F6	F7	F6	F4		F7
Bond Strength	3.0 N/mm <sup>2</sup>								
Abrasion Resistance	A1fl-S1		A12						
Flow Rate	240-250mm Vicat		240-250mm Vicat	Semi Dry	Semi Dry	Semi Dry	Semi Dry	Plastic /Semi Dry	Plastic /Semi Dry
Yield	1.7 kg/mm/m <sup>2</sup>		1.7 kg/m <sup>2</sup>	min. 12.5%	min. 12.5%	19 kg/cm	20 kg/cm	1.6 kg/m <sup>2</sup> per mm	1.7 kg/m <sup>2</sup> per mm
Water Demand (per bag)	4.5 - 5.0 L		4.75 - 5.25 L	Semi Dry	Semi Dry	1.5 - 1.8 L	1.3 - 1.6 L	5 kg: 0.9-1.0 L 25 kg: 4.5-5.0 L	
Suitable substrates	New + Old Concrete/ Screed		Cement + CA screeds (heated/ unheated), Concrete (min. 6 mths old)	New + Old Concrete/ Screed, Insulation, Wood, PU	New + Old Concrete/ Screed, Insulation, Wood, PU	New + Old Concrete/ Screed, Insulation, Wood, PU	New + Old Concrete/ Screed, Insulation, Wood, PU	New + Old Concrete/ Screed, Insulation, Wood, PU	New + Old Concrete/ Screed, Insulation, Wood, PU
External Use	Yes With Soprodu HF-L 513 Coating		No	Yes	Yes	Yes	Yes	Yes	Yes contact technical support for advice
Unit Size	25 kg		25 kg	25 kg	25 kg	25 kg	25 kg	5 kkg 25 kg	10 or 25kg bucket (combi pack with Component A+B)
Units Per Pallet	40		42	40	40	40	40	40	27

## Floor Screeds & Compounds

The SMET range has a Floor Screed solution for any building requirement. The innovative, comprehensive portfolio includes: Calcium Sulphate Based Screed Binders, Self Smoothing Calcium Sulphate Based Screeds & Compounds, Cement Based Screed Binders, Self Smoothing Cement Based Screeds & Compounds - for Domestic, Commercial, Industrial and Design use.

## Bringing European Innovation

SMET is dedicated to delivering the leading names in building products direct from Europe to Ireland and the UK. As an award-winning business, SMET's strength is in delivering innovative, superior-quality products supported by exceptional technical and conscientious customer service.

## Smet Supported Partner

As a family-run business with a wealth of experience in the construction industry, nationally and internationally, SMET takes the time to invest in and support you - a **Smet Supported Partner**. You will gain an unmatched wealth of expert knowledge and experience in technical advice, logistics, problem-solving back up, tailored back-office support, marketing & social media campaigns and a solution-focused customer service. As a Smet Supported Partner you'll soon find improved site management, time-saving, quality improvements and environmental impact reduction.

## Quality, Service & Support

Bringing Innovative products to the UK and Ireland is a passion. Along with a complete portfolio of products, backed up with exceptionally detailed technical support, quadruple BSI certified Smet Building Products Ltd is able to meet the complex demands of architects, specifiers, engineers, designers and end-users for all phases of construction. SMET aims to achieve total client satisfaction in every aspect of its work.

## Environmental Assurances

Visit SMET's Sustainability page to learn more on its commitment to the environment, download its BSI registered BES 6001 Responsible Sourcing of Construction Products certificate, sustainability policies, and read more on how SMET supports the local community.

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