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Floor Screeds & Compounds

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	PRIMER and DAMP PROOF MEMBRANE	
	Smet Universal Floor Primer	**Merlin Barier Coat**
Product Description	A concentrated styrene acrylate dispersion which can be diluted with water and is intended for use with screed products. The primer does not contain ammonia. It offers good alkali resistance and adhesion properties in both wet and dry environments	Barrier Coat is a durable solvent free epoxy coating system specially formulated for use as a water resistant membrane in both new build and refurbishment projects. Barrier Coat can be applied directly onto wet surfaces free from standing water and when used as a primer and allowed to cure, will accept most adhesives, coatings and screeds
Yield	75 m^2 (5:1 + 3:1 coat) / 2.5 L	15 m^2 / 5 kg
Unit Size	2.5 L	5 kg

	SCREED ADDITIVES	
	Smet SBR	**Smet Screed Fibres**
Product Description	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
Yield		1kg / m^3 screed
Unit Size	2.5 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

	Calcium Sulphate Based Screed Binders					Self Smoothing Calcium Sulphate Base & Compounds		
	SHG	SHG	SHG	SHG	SHG	SHG	SHG	SHG
	Südanit 230	Südanit 280	Südanit 300	Südanit 400	Casufloor AB 30	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	Natural Anhydrite binder compound for the production of Semi Dry Screeds, mixed on site or used for blending in Dry Mortar Plants and Transmix	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	EN 13454-1	CA-C25-F5	CA-C30-F6	CA-C30-F6
Min. Thickness	20mm (bonded)	20mm (bonded)	20mm (bonded)	20mm (bonded)	20mm (bonded)	20mm (bonded)	20mm (bonded)	10mm (bonded)
	30mm (unbonded)	30mm (unbonded)	30mm (unbonded)	30mm (unbonded)	30mm (unbonded)	30mm (unbonded)	30mm (unbonded)	30mm (unbonded)
	35mm (floating)	35mm (floating)	35mm (floating)	35mm (floating)	45mm (floating)	35mm (floating)	35mm (floating)	
Max. Thickness	90mm	90mm	90mm	90mm	90mm	90mm	90mm	30mm
Compressive Strength	C20/C30/C40	C20/C30/C40	C20/C30/C40	C20/C30/C40	C20/C30	C25	C30	C30
Flexural Strength	F4/F6/F7	F4/F6/F7	F4/F6/F7	F4/F6/F7	F4/F6	F5	F5	F6
Bond Strength	1.5 N/mm²	1.5 N/mm²	1.5 N/mm²	1.5 N/mm²	1.5 N/mm²	1.5 N/mm²	1.5 N/mm²	1.5 N/mm²
Abrasion Resistance								
Flow Rate	220-260mm	220-260mm	220-260mm	220-260mm	Semi Dry	220-260mm	220-260mm	220-260mm
Yield	min. 30%	min. 25%	min. 30%	min. 30%	min. 27%	1.8 kg/mm/m²	1.8 kg/mm/m²	1.8 kg/mm/m²
Water Demand (per bag)	15-18%	15-18%	15-18%	15-18%	Semi Dry	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

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Smet Flooring Products Suitable for Hand and Machine Application

ed Screeds	Cement Based Screed Binder	Self Smoothing Cement Based Screeds & Compounds for Commercial and Domestic Applications								
SHG	cemart	SHG	SHG	cemart	cemart	cemart	cemart	cemart	cemart	cemart
Casufloor FS	Cemfix 511	BAM	BAM 40	Cemdure 100	Cemdure 103	Cemdure 110	Cemdure 130	Cemfort 200	Cemfort 205	Cemfort 220
Alpha Hemi Hydrate Premix Levelling Compound, ideally suited for re-levelling Calcium Sulphate based Screeds, mixed on site, just add water	Hydraulic Binder for the production of shrinkage controlled, rapid drying semi-dry Floor Screeds	Cement based, self smoothing compound, standard drying for commercial and domestic applications up to 15mm	Cement based, self smoothing compound, standard drying for commercial and domestic applications up to 40mm	Cement based, self smoothing compound, standard drying for thin commercial and domestic applications up to 5mm	Cement based, self smoothing compound, standard drying for thick commercial and domestic applications up to 100mm	Cement based, self smoothing compound, rapid drying for commercial and domestic applications up to 30mm	Cement based, fibre reinforced, self smoothing compound, standard drying for commercial and domestic applications and difficult substrates	High Strength, Cement based, self smoothing compound, rapid drying for commercial and domestic applications up to 5mm	Cement based, self smoothing compound, rapid drying for thick commercial and domestic applications up to 100mm	High Strength, Cement based, self smoothing compound, rapid drying for commercial and domestic applications up to 30mm
CA-C30-F7	CT-C15-F3	CT-C25-F6	CT-C25-F6	CT-C20-F5	CT-C10-F3	CT-C25-F6	CT-C35-F7	CT-C28-F6	CT-C18-F5	CT-C30-F7
2mm	10mm (bonded)	0.5mm	10mm (bonded)	0.5mm	10mm	2mm	4mm	0.5mm	5mm	2mm
	40mm (unbonded)									
	45mm (floating)									
10mm	75mm	15mm	40mm	10mm	100mm	30mm	30mm	10mm	100mm	30mm
C30	C15	C25	C25	C20	C10	C25	C35	C28	C18	C30
F7	F3	F6	F6	F5	F3	F6	F7	F6	F5	F7
1.5 N/mm²	1.0 N/mm²	2.0 N/mm²	2.0 N/mm²	3.0 N/mm²	3.0 N/mm²	3.0 N/mm²	3.0 N/mm²	3.0 N/mm²	3.0 N/mm²	3.0 N/mm²
		A22	A22	A22	A22	A22	A22	A22	A22	A22
220-240mm	Semi Dry	145-155mm	120-130mm	160mm	120mm	150 - 155mm	140mm	160mm	125mm	150 - 155mm
1.5 kg/mm/m²	min. 12.5%	1.6 kg/mm/m²	1.7 kg/mm/m²	1.5 kg/mm/m²	1.5 kg/mm/m²	1.5 kg/mm/m²	1.6 kg/mm/m²	1.5 kg/mm/m²	1.7 kg/mm/m²	1.6 kg/mm/m²
6.5 L	Semi Dry	5.75 - 6 L	4.25 - 4.5 L	4.75 - 5 L	4.25 - 4.5 L	4.5 - 4.75 L	3.75 - 4 L	5.0 L	3.5 - 3.75 L	4.5 - 4.75 L
New + Old Concrete/ Screed, Insulation, Wood, PU	New + Old Concrete/ Screed, Insulation, Wood, PU	New + Old Concrete/ Screed	New + Old Concrete/ Screed	New + Old Concrete/ Screed	New + Old Concrete/ Screed	New + Old Concrete/ Screed	New + Old Concrete/ Screed, Insulation, Wood, PU	New + Old Concrete/ Screed	New + Old Concrete/ Screed	New + Old Concrete/ Screed
No	Yes	No	No	No	No	No	No	No	No	No
25 kg	25 kg	25 kg	25 kg	25 kg	25 kg	25 kg	25 kg	25 kg	25 kg	25 kg
42	42	42	42	42	42	42	42	42	42	42

	Self Smoothing Cement Based Screeds & Compounds for Industrial Applications						Self Smoothing Design Flooring		
Cemfort 230	Cemtop 310	Cemtop 320	Cemtop 330	Cemtop 340	Cemtop 350	Cemtop 360	Cemstyle 440	Cemstyle 450	Cempur
High Strength, Cement based, fibre reinforced, self smoothing compound, rapid drying for commercial and domestic applications and difficult substrates	High Strength, Cement based, self smoothing base compound, rapid drying for industrial applications up to 50mm, ideal base for Cemtop 340	High Strength, Cement based, self smoothing compound, rapid drying for industrial applications up to 30mm, ideal base for coatings and resins	Extra High Strength, Cement based, self smoothing base compound, rapid drying for industrial applications up to 50mm, ideal base for Cemtop 360	High Strength, Cement based, wearing self smoothing compound, rapid drying for industrial applications up to 30mm. Can be used for base and top floor	High Strength, Ultra Smooth, Cement based, wearing self smoothing compound, rapid drying for industrial applications up to 25mm	Extra High Strength, Cement based, wearing self smoothing compound, rapid drying for industrial and external applications up to 25mm	High Strength, Coloured, Cement based, wearing self smoothing compound, rapid drying for commercial and industrial applications up to 30mm	Extra High Strength, Coloured, Cement based, wearing self smoothing compound, rapid drying for commercial and industrial applications up to 30mm	Water based, rapid drying, breathable, one part PU, colourless Satin sealer for Cemstyle screeds
CT-C35-F7	CT-C30-F6	CT-C30-F8	CT-C40-F10	CT-C40-F10	CT-C45-F10	CT-C50-F10	CT-C35-F6	CT-C40-F9	SS 923508 / 137241
4mm	6mm	6mm	4mm	6mm	4mm	5mm	2mm	2mm	10 m²/kg
50mm	50mm	30mm	50mm	30mm	20mm	25mm	30mm	30mm	6 m²/kg
C35	C30	C30	C40	C40	C45	C50	C35	C40	-
F7	F6	F8	F10	F10	F10	F10	F6	F9	-
3.0 N/mm²	3.0 N/mm²	3.0 N/mm²	3.0 N/mm²	3.0 N/mm²	3.0 N/mm²	3.0 N/mm²	3.0 N/mm²	3.0 N/mm²	-
A22	A22	A22	A22	A12	A22	A10	A12	A12	none
140mm	130mm	150 - 155mm	140mm	150 - 155mm	150 - 155mm	135mm	150 - 155mm	150 - 155mm	-
1.6 kg/mm/m²	1.7 kg/mm/m²	1.6 kg/mm/m²	1.7 kg/mm/m²	1.6 kg/mm/m²	1.6 kg/mm/m²	1.9 kg/mm/m²	2.0 - 3.5 kg/m²	2.0 - 3.5 kg/m²	6.0 - 10.0 m²/kg
3.75 - 4 L	3.5 - 3.75 L	4.5 - 4.75 L	3.75 - 4.0 L	4.5 - 4.75 L	4.5 - 4.75 L	3.5 - 3.75 L	-	-	-
New + Old Concrete/ Screed, Insulation, Wood, PU	New + Old Concrete/ Screed	New + Old Concrete/ Screed	New + Old Concrete/ Screed	New + Old Concrete/ Screed, Cemtop 310	New + Old Concrete/ Screed	New + Old Concrete/ Screed, Cemtop 360	New + Old Concrete/ Screed, Cemtop 310	New + Old Concrete/ Screed, Cemtop 310/330	Cemtop 340, Cemstyle 440/450
No	No	No	No	No	No	Yes	No	No	No
25 kg	25 kg	25 kg	25 kg	25 kg	25 kg	25 kg	25 kg	25 kg	10kg
42	42	42	42	42	42	42	42	42	-

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Floor Screeds & Compounds

Floor Screeds & Compounds from Smet Building Products Ltd have been used throughout Europe for over 30 years. Our comprehensive portfolio includes Calcium Sulphate Based Screed Binders, Self Smoothing Calcium Sulphate Based Screeds & Compounds, Cement Based Screed Binders and Self Smoothing Cement Based Screeds & Compounds for Domestic, Commercial, Industrial and Design use. The Smet range has a Floor Screed solution for any building requirement.

Bringing European Innovation

We are dedicated to delivering the leading names in building products direct from Europe to Ireland and the UK. Our strength is delivering innovative high quality products supported by exceptional customer service. Our customers agree Smet Building Products Ltd is the only supplier you'll ever wholeheartedly recommend.

Partner in Construction

As a family run business with over a decade of experience in the construction industry, both nationally and internationally, we will take time to advise and support you, offering onsite logistics and sound expertise. You'll soon find, with our products and our support; improved site management, time saving, quality improvements and waste reduction.

Service & Support

Bringing Innovative products to the UK and Ireland is our passion. Along with a complete portfolio of products, backed up with exceptionally detailed technical support, Smet Building Products Ltd is able to meet the complex demands of architects, specifiers, engineers and end-users for all phases of construction. Our quick growing success can be attributed to our unmatched wealth of expert knowledge and experience in providing technical advice, problem solving back up and a responsive support and solution focused service.

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