

Professional Tiling Systems

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Featured Products

Levelling Compounds Tanking **Grouting & Jointing Ancillary Items Primers** Adhesives Sopro FDF Tanking Membrane Sopro FS 15® plus Levelling Compound Sopro FDP 558 Tiling Board Sopro GD 749 Primer Sopro FKM® XL 444 Sopro DF 10® Sopro EFH 569 Underfloor Heating Sopro HPS 673 Bonding Primer Sopro AFS 561 Sopro Sanitary Silicone Sopro DSF® 523 Tanking Membrane Sopro FKM® Silver 600 CA Levelling Compound Sopro HE 449 Bonding Emulsion Sopro RAM 3® Patch Compound Sopro DB 438 Sopro AHK 560 Sopro Marble Silicone Sopro Cleaning & Care Products Sealing tape P 221111 Sopro DE 014/015 Sealing Corners Sopro PUK 503 Sopro GH 564 Crack Repair Resin PU-Adhesive Sopro DMB 091 Sealing Collar

1. Professional Tiling Systems and Application Guide by various Substrates

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1.1 Old or Existing Tiles



- 1. Apply Sopro HPS 673 Bonding Primer onto clean and dry tiled substrate using a lambswool roller.
- 2. Apply the selected mixed adhesive onto the primed substrate using a trowel as a floated coat/ contact coat, pressing the adhesive into the surface.
- **3.** Apply adhesive bed and comb through with a notched trowel as a spreading gauge to provide a uniform ribbed adhesive bed.
- 4. Apply and press the new tile into the fresh adhesive bed.
- 5. Grout the tile joints using Sopro DF 10[®] Designer Grout after the adhesive has fully hardened.
- 6. Apply Sopro Sanitary Silicone in all flexible joints e.g. floor and wall perimters and dividing bays.

1.2 Wood





- 1. Apply Sopro HPS 673 Bonding Primer onto clean and dry tiled substrate using a lambswool roller.
- **2.** Apply the selected mixed adhesive onto the primed substrate using a trowel as a floated coat/ contact coat, pressing the adhesive into the surface.
- **3.** Apply adhesive bed and comb through with a notched trowel as a spreading gauge to provide a uniform ribbed adhesive bed.
- 4. Apply and press the (9-15mm) board into the fresh adhesive bed.
- **5.** Apply the mixed adhesive onto the primed substrate using a trowel as a floated coat/contact coat, pressing the adhesive into the surface.
- **6.** Apply adhesive bed and comb through with a notched trowel as a spreading gauge to provide a uniform ribbed adhesive bed.
- 7. Apply and press the new tile into the fresh adhesive bed.
- 8. Grout the tile joints using Sopro DF 10® Designer Grout after the adhesive has fully hardened.
- 9. Apply Sopro Sanitary Silicone in all flexible joints e.g. floor and wall perimters and dividing bays.



1.3.1 Sand & Cement Floor Screed - Internal



Substrate Preparation Sopro GD 749 Primer Levelling Sopro FS 15® plus Levelling Compound **Contact Coat and Combed Bed** or Sopro FKM® Silver 600 **Grouting and Jointing** Sopro Sanitary Silicone

- Clean substrate and cracks from all dust, laitance, grease or other weak materials. 1.
- 2. Mix the Crack Repair Resin with the hardener and pour into the cracks.
- When crack is completely filled blind the resin on the surface with quartz sand. 3.
- When resin has hardened remove all loose quartz sand by brush or vacuum cleaner. 4.
- Apply primer onto clean substrate as directed. 5.
- Apply Sopro FS 15® plus Levelling Compound if required. 6.
- Apply the selected mixed adhesive onto the primed substrate using a trowel as a floated coat/ 7. contact coat, pressing the adhesive into the surface.
- Apply adhesive bed and comb through with a notched trowel as a spreading gauge to provide a 8. uniform ribbed adhesive bed.
- Apply and press the new tile into the fresh adhesive bed. 9.
- Grout the tile joints using Sopro DF 10® Designer Grout after the adhesive has fully hardened. 10.
- Apply Sopro Sanitary Silicone in all flexible joints e.g. floor and wall perimters and dividing bays. 11.

1.3.2 Sand & Cement Floor Screed - External (Balcony/Terrace)

3.



- 1. Pre-dampen the substrate prior to application of tanking membrane.
- 2. Patch, smooth or create falls using Sopro RAM 3[®] when required. Apply Sopro HE 449 Bonding Emulsion prior to application of Sopro RAM 3[®].
 - Apply Sopro DSF® 523 Tanking Membrane in 2 no. coats.
- 4. Use Sopro sealing tape, internal and external corners and collars.
- **5.** Apply the selected mixed adhesive onto the primed substrate using a trowel as a floated coat/ contact coat, pressing the adhesive into the dry Tanking Membrane surface.
- **6.** Apply adhesive bed and comb through with a notched trowel as a spreading gauge to provide a uniform ribbed adhesive bed.
- 7. Apply and press the new tile into the fresh adhesive bed.
- 8. Grout the tile joints using Sopro DF 10® Designer Grout after the adhesive has fully hardened.
- 9. Apply Sopro Sanitary Silicone in all flexible joints e.g. floor and wall perimters and dividing bays.



1.3.3 Calcium Sulphate Floor Screed - Anhydrite and Alpha Hemihydrate



- 1. Apply Sopro GD 749 Primer onto clean and prepared Calcium Sulphate Floor Screed.
- 2. Apply Sopro Sopro AFS 561 CA Levelling Compound if required and prime again when dry.
- 3. For ceramic tiles and fully vitrified stoneware < 400 x 400mm, use Sopro AHK 560 adhesive.
- **4.** For ceramic, discoloration-sensitive natural stone tiles and fully vitrified stoneware > 400 x 400mm use Sopro FKM® Silver 600 adhesive in buttering and floating method.
- **5.** Apply the appropriate mixed adhesive onto the primed substrate using a trowel as a floated coat/contact coat, pressing the adhesive into the surface.
- **6.** Apply adhesive bed and comb through with a notched trowel as a spreading gauge to provide a uniform ribbed adhesive bed.
- 7. Apply and press the new tile into the fresh adhesive bed.
- 8. Grout the tile joints using Sopro DF 10[®] Designer Grout after the adhesive has fully hardened.
- 9. Apply Sopro Sanitary Silicone in all flexible joints e.g. floor and wall perimters and dividing bays.

Alternative Required Products:

Tanking: Bathrooms and wetrooms require suitable tanking (Sopro ADS 630 Tanking Kit) prior to tiling.

1.4 Gypsum Board / Plaster Board - Domestic Bathrooms



- 1. Apply Sopro GD 749 Primer onto clean gypsum board / plaster board.
- 2. Apply Sopro FDF Tanking Membrane onto dry primed substrate in 2 coats.
- 3. Use Sopro sealing tape, internal and external corners and collars.
- **4.** Apply the selected mixed adhesive onto the tanked substrate using a trowel as a floated coat/ contact coat, pressing the adhesive into the surface.
- **5.** Apply adhesive bed and comb through with a notched trowel as a spreading gauge to provide a uniform ribbed adhesive bed.
- 6. Apply and press the new tile into the fresh adhesive bed.
- 7. Grout the tile joints using Sopro DF 10® Designer Grout after the adhesive has fully hardened.
- 8. Apply Sopro Sanitary Silicone in all flexible joints e.g. floor and wall perimters and dividing bays.

Alternative Product:

Tanking Membrane: Sopro DSF® 523 Tanking Membrane



1.5.1 Concrete - Internal





- 1. Apply Sopro GD 749 Primer onto clean and prepared concrete substrate.
- 2. Apply the selected mixed adhesive onto the primed substrate using a trowel as a floated coat/ contact coat, pressing the adhesive into the surface.
- **3.** Apply adhesive bed and comb through with a notched trowel as a spreading gauge to provide a uniform ribbed adhesive bed.
- **4.** Apply and press the new marble tile, or colour discoloration sensitive natural stone tile into the fresh adhesive bed.
- 5. Grout the tile joints using Sopro DF 10® Designer Grout after the adhesive has fully hardened.
- 6. Apply Sopro Marble Silicone in all flexible joints e.g. floor and wall perimters and dividing bays.

1.5.2 Concrete - External (Balcony)



- 1. Patch, smooth or create falls using Sopro RAM 3[®] when required. Apply Sopro HE 449 Bonding Emulsion prior to application of Sopro RAM 3[®].
 - Apply Sopro DSF® 523 Tanking Membrane in 2 no. coats.
- **3.** Apply the selected mixed adhesive onto the primed substrate using a trowel as a floated coat/ contact coat, pressing the adhesive into the dry Tanking Membrane surface.
- 4. Apply and press the new tile into the fresh adhesive bed.
- 5. Grout the tile joints using Sopro DF 10® Designer Grout after the adhesive has fully hardened.
- 6. Apply Sopro Sanitary Silicone in all flexible joints e.g. floor and wall perimters and dividing bays.



1.6 Old Adhesive Residue



Subst	Substrate		
Mineral Substrate with old textile, pvc or lino adhesive.			
Substrate Preparation			
Sopro HPS 673 Bor	Sopro HPS 673 Bonding Primer		
Levelling Sopro FS 15® plus Levelling Compound			
Sopro PS 15® plus Levelling Compound			
Contact Coat an	d Combed Bed		
Sopro FKM® XL 444 or	Sopro FKM® Silver 600		
5 opro	5000		
Grouting and Jointing			
Sopro DF 10®	Sopro Sanitary Silicone		
Solario S			

- 1. Apply Sopro HPS 673 Bonding Primer onto clean and dry tiled substrate using a lambswool roller.
- 2. Apply Sopro FS 15[®] plus Levelling Compound as directed onto dried primed substrate.
- **3.** Apply the selected mixed adhesive onto the primed substrate using a trowel as a floated coat/ contact coat, pressing the adhesive into the dry primed surface.
- **4.** Apply adhesive bed and comb through with a notched trowel as a spreading gauge to provide a uniform ribbed adhesive bed.
- 5. Apply and press the new tile into the fresh adhesive bed.
- 6. Grout the tile joints using Sopro DF 10® Designer Grout after the adhesive has fully hardened.
- 7. Apply Sopro Sanitary Silicone in all flexible joints e.g. floor and wall perimters and dividing bays.

1.7 Metal





1.8 Rendered Substrate - Natural Stone



- 1. Apply Sopro GD 749 Primer onto clean and prepared concrete substrate.
- 2. Apply the mixed adhesive onto the primed substrate using a trowel as a floated coat/ contact coat, pressing the adhesive into the surface.
- **3.** Apply adhesive bed and comb through with a notched trowel as a spreading gauge to provide a uniform ribbed adhesive bed.
- **4.** Apply and press the new marble tile, or colour discoloration sensitive natural stone tile into the fresh adhesive bed.
- 5. Grout the tile joints using Sopro DF 10[®] Designer Grout after the adhesive has fully hardened.
- 6. Apply Sopro Marble Silicone in all flexible joints e.g. floor and wall perimters and dividing bays.

1.9 Rendered Substrate - Ceramic, Porcelain, Fully Vitrified Tile





- 1. Apply Sopro GD 749 Primer onto clean and prepared concrete substrate.
- 2. Apply the selected mixed adhesive onto the primed substrate using a trowel as a floated coat/ contact coat, pressing the adhesive into the surface.
- **3.** Apply adhesive bed and comb through with a notched trowel as a spreading gauge to provide a uniform ribbed adhesive bed.
- **4.** Apply and press the new marble tile, or colour discoloration sensitive natural stone tile into the fresh adhesive bed.
- 5. Grout the tile joints using Sopro DF 10[®] Designer Grout after the adhesive has fully hardened.
- 6. Apply Sopro Sanitary Silicone in all flexible joints e.g. floor and wall perimters and dividing bays.



2. Professional Tiling Systems and Application Guide by various Tiles

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2.1 Existing Floor Tiles - Tile over Tile



Subs	Shale		
Clean existing floor tiles			
Substrate Preparation			
Sopro HE 449	Sopro HPS 673		
Levelling			
Sopro FS 15® plus Levelling Compound			
	nd Combed Bed		
ro FKM® XL 444 o	vr Sopro FKM® Silver 600		
Grouting and Jointing			
Sopro DF 10®	Sopro Sanitary Silicone		
Der to			

- 1. Apply Sopro HPS 673 Bonding Primer onto clean, level and dry tiled substrate using a lambs wool roller.
- 2. If the existing tiled substrate is not level, apply Sopro HE 449 Bonding Emulsion.
- **3.** Apply Sopro FS 15[®] plus Levelling Compound as directed onto fresh primed substrate (wet in wet).
- **4.** Apply the selected mixed adhesive onto the primed substrate using a trowel as a floated coat/ contact coat, pressing the adhesive into the surface.
- **5.** Apply adhesive bed and comb through with a notched trowel as a spreading gauge to provide a uniform ribbed adhesive bed.
- 6. Apply and press the new tile, or colour discoloration sensitive natural stone tile into the fresh adhesive bed.
- 7. Grout the tile joints using Sopro DF 10® Designer Grout after the adhesive has fully hardened.
- 8. Apply Sopro Sanitary Silicone in all flexible joints e.g. floor and wall perimters and dividing bays.



2.2 Existing Floor Tiles - Tile over Tile - Large Format



- 1. Apply Sopro HPS 673 Bonding Primer onto clean, level and dry tiled substrate using a lambs wool roller.
- **2.** Apply adhesive bed and comb through with a notched trowel as a spreading gauge to provide a uniform ribbed adhesive bed.
- **3.** Apply and press the new marble tile, or colour discoloration sensitive natural stone tile into the fresh adhesive bed. For large format tiles use buttering and floating method.
- 4. Grout the tile joints using Sopro DF 10® Designer Grout after the adhesive has fully hardened.
- 5. Apply Sopro Sanitary Silicone in all flexible joints e.g. floor and wall perimters and dividing bays.

2.3 Terracotta



Substrate		
Floor Screed		
Contact Coat and Combed Bed		
Sopro FKM® XL 444		
Grout Cleaning Aid		
Sopro AH 737 Grout Cleaning Aid		
Grouting and Jointing		
Sopro DF 10®	Sopro Marble Silicone	
	3	
Cleaning	Sealing	
Sopro ZSE 718 Cement Film Remover	Sopro 736 Terracotta Sealer	
Finishing	Care	
Sopro CDW 742 Terracotta Wax Finish	Sopro CPM 738 Terracotta Care 738	

- 1. Apply Sopro GD 749 Primer onto clean and prepared screed substrate.
- **2.** Apply adhesive bed and comb through with a notched trowel as a spreading gauge to provide a uniform ribbed adhesive bed.
- 3. Apply and press the new terracotta tile into the fresh adhesive bed.
- **4.** Apply Sopro AH 737 Grout Cleaning Aid onto the dry terracotta tiles using a mop.
- 5. Grout the tile joints using Sopro DF 10® Designer Grout after the adhesive has fully hardened.
- 6. Apply Sopro Marble Silicone in all flexible joints e.g. floor and wall perimters and dividing bays
- 7. Use Sopro ZSE 718 Cement Film Remover to remove any cement film residue.
- 8. Apply Sopro CES 736 Terracotta Sealer using a brush or lambswool roller.
- 9. Apply Sopro CDW 742 Terracotta Wax Finish in 2 no. coats onto the pre-sealed terracotta tiles.
- 10. To re-freshen shine, use Sopro CPM 738 Terracotta Care.



2.4 Natural Stone



- 1. Apply Sopro GD 749 Primer onto clean and prepared concrete substrate.
- **2.** Apply the mixed adhesive onto the primed substrate using a trowel as a floated coat/contact coat, pressing the adhesive into the surface.
- **3.** Apply adhesive bed and comb through with a notched trowel as a spreading gauge to provide a uniform ribbed adhesive bed.
- **4.** Apply and press the new marble or colour discoloration sensitive natural stone tile into the fresh adhesive bed.
- 5. Grout the tile joints using Sopro DF 10® Designer Grout after the adhesive has fully hardened.
- 6. Apply Sopro Marble Silicone in all flexible joints e.g. floor and wall perimters and dividing bays.

2.5 Glass Mosaic





- 1. Apply Sopro GD 749 Primer onto clean and prepared substrate.
- **2.** Apply the mixed adhesive onto the primed substrate using a trowel as a floated coat/contact coat, pressing the adhesive into the surface.
- **3.** Apply adhesive bed and comb through with a notched trowel as a spreading gauge to provide a uniform ribbed adhesive bed.
- 4. Apply and press the new glass mosaic into the fresh adhesive bed.
- 5. Grout the tile joints using Sopro DF 10® Designer Grout after the adhesive has fully hardened.
- 6. Apply Sopro Marble Silicone in all flexible joints e.g. floor and wall perimters and dividing bays.



2.6 Glass Mosaic - Wetroom and Shower



- 1. Apply Sopro GD 749 Primer onto clean gypsum board / plaster board.
- 2. Apply Sopro FDF Tanking Membrane onto dry primed substrate in 2 coats.
- 3. Use Sopro sealing tape, internal and external corners and collars.
- **4.** Apply the mixed adhesive onto the tanked substrate using a trowel as a floated coat/contact coat, pressing the adhesive into the surface.
- **5.** Apply adhesive bed and comb through with a notched trowel as a spreading gauge to provide a uniform ribbed adhesive bed.
- 6. Apply and press the new tile into the fresh adhesive bed.
- 7. Grout the tile joints using Sopro DF 10® Designer Grout after the adhesive has fully hardened.
- 8. Apply Sopro Sanitary Silicone in all flexible joints e.g. floor and wall perimters and dividing bays.

Alternative Product:

Tanking Membrane: Sopro DSF® 523 Tanking Membrane

2.7 Electric Underfloor Heating



- 1. Apply Sopro GD 749 Primer onto clean and prepared substrate.
- **2.** Apply the mixed adhesive onto the primed substrate using a trowel as a floated coat/contact coat, pressing the adhesive into the surface.
- **3.** Apply adhesive bed and comb through with a notched trowel as a spreading gauge to provide a uniform ribbed adhesive bed.
- 4. Apply and press the board into the fresh adhesive bed.
- 5. Lay out the electric underfloor heating mat as directed.
- 6. Remove the electric underfloor heating mat, apply the mixed adhesive onto the primed substrate using a trowel as a floated coat/contact coat, pressing the adhesive into the surface.
- 7. Apply adhesive bed and comb through with a notched trowel as a spreading gauge to provide a uniform ribbed adhesive bed. Apply and press the underfloor heating mat into the fresh adhesive bed and smooth using a steel trowel. Apply adhesive bed and comb through with a notched trowel as a spreading gauge to provide a uniform ribbed adhesive bed.
- 8. Grout the tile joints using Sopro DF 10® Designer Grout after the adhesive has fully hardened.
- 9. Apply Sopro Sanitary Silicone in all flexible joints e.g. floor and wall perimters and dividing bays.



Bringing European Innovation

SMET[®]

Smet Building Products Ltd is dedicated to delivering the leading names in building products direct from mainland Europe to Ireland and the UK. Our strength is delivering innovative high quality products supported by exceptional customer service. Thus, when selecting a tiling partner, leading German manufacturer Sopro Bauchemie GmbH, was chosen as the ideal partner in the manufacture of SMET Professional Tiling Systems range.

Partner in Construction

Sopro's wide-ranging product portfolio, featuring a consistently high proportion of innovative products, addresses the full range of tiling and building chemical applications, while guaranteeing a product quality that complies, in all respects, with the strict standards set by professional applicators. These requirements include: straightforward application, maximum safety, durability and conformity with technical regulations, health at work provisions and environmental demands. A host of test certificates issued by recognized, independent institutes underline the impeccable quality of Sopro products.

Service & Support

The SMET Professional Tiling Systems range of quality products are backed up with the expertise of a technical advisor. At SMET, we are site focused, providing you with industry specialists who will be with you on site to carry out moisture tests, provide training and support as well as demonstrate the Professional Tiling Systems materials. We don't believe in 'sell and forget', our policy is to continue to monitor the scheme to ensure a first class finish.

A Guarantee For Quality

We recognise that, as a supplier of top quality building products and services, we must ensure our operations are carried out to the highest of standards. In order to achieve this, we operate a BSI registered EN: ISO 9001: 2008 quality management system that defines our working procedures and processes.

Our customers agree, Smet Building Products Ltd is the only supplier they would ever wholeheartedly recommend.

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