BUILDING TRUST

SYSTEM DATA SHEET

SikaTile®-1200 Heavy Duty Wet Area System

DESCRIPTION

SikaTile®-1200 Heavy Duty Wet Area System is a high performance waterproofing & tiling solution for heavy duty internal wet area applications where the highest performance ratings are required.

USES

SikaTile®-1200 Heavy Duty Wet Area System is designed for use in heavy duty demanding environments including:
- Food processing plants
- Abattoirs
- Public bathrooms
- Dairies
- Commercial kitchens & restaurants
- Wet areas that require high chemical resistance
- Wet areas that require high stain resistance

SikaTile®-1200 Heavy Duty Wet Area System is designed for use as per AS 3958:2023 Table 3.2.2 Performance level 5, able to withstand heavy and high impact use eg food plants, commercial kitchens and industrial use.

FEATURES

- Heavy duty performance
- Excellent chemical resistance
- Improved impact resistance
- Improved thermal change resistance
- 100% system compatibility
- Single source system

CERTIFICATES AND TEST REPORTS

AS 4858 Test Reports -
- SikaCeram® Sealing Membrane A.
- SikaTile®-110 Secure Proof
- SikaTile®-111 Rapid Proof

SYSTEM INFORMATION

System structure

SikaTile®-1200 Heavy Duty Wet Area System approved product selection chart.

Application	Suitable Sika Product
Substrate Primers	
Porous primer	SikaTile®-010 Secure Prime
Non-porous primer	Sikafloor®-14 Prep n Prime Impact
Screed	Sikafloor®-215 Rapid Screed
Slurry Bond Coat	LANKO 751 Lankolatex SBR additive mixed neat with Portland Cement
Moisture Barrier & Membrane Primer	Sikalastic® Moisture Seal
Waterproofing Membrane	SikaCeram® Sealing Membrane A system
	SikaTile®-110 Secure Proof
Tile adhesives (cement-based)	SikaTile®-410 Secure Set with Dav-elastic
	SikaTile®-440 Opti-Cure
	SikaTile®-510 Mega Lite
Tile Adhesives (epoxy based)	SikaCeram®-880 Easy Epoxy
Tile grout	SikaCeram®-880 Easy Epoxy with SikaCeram®-960 Epoxy Finish

Chemical resistance	Resistant to many chemicals. Contact Sika Australia Technical Service for specific information.
Material temperature	All materials shall be stored in accordance with the product data sheet recommendations Store materials onsite in dry cool conditions out of direct sunlight between 5°C - 35°C Do not allow product to freeze.
Ambient air temperature	5°C - 35°C
Substrate moisture content	Substrates that exhibit high moisture readings >80% relative humidity shall require 2 coats of Sikalastic Moisture Seal.
Substrates	SikaTile®-1200 Heavy Duty Wet Area System is designed for common construction substrates such as concrete, masonry, boards and sheets shall be specifically designed to receive a tiling system and be rated for heavy duty use. Refer to board and sheet manufacturer instructions and load limits.
Applied product ready for use	**Application** / **Wait Time** Light traffic / 24 hours Wet Area Service / 5 days Chemical exposure / 7 days Wait time measured at 23°C and 50% relative humidity.

BASIS OF PRODUCT DATA

All technical data stated in this Product Data Sheet are based on laboratory tests. Actual measured data may vary due to circumstances beyond our control.

FURTHER DOCUMENTATION

- All applications shall be in accordance with the latest product data sheet, National Construction Code (NCC), and relevant Australian Standards.
- Refer to each specific product data sheet for the complete user instructions prior to use.
- Substrates shall be prepared and installed in accordance with manufacturer's instructions and relevant AS standards.
- Tiling over early age screeds and concrete may increase the likelihood of the occurrence of efflorescence.
- Efflorescence is beyond the control of the manufacturer due to external influences beyond our control.
- For applications outside this document seek advice from Sika Technical Dept.

ECOLOGY, HEALTH AND SAFETY

For information and advice on the safe handling, storage and disposal of chemical products, users shall refer to the most recent Safety Data Sheet (SDS) containing physical, ecological, toxicological and other safety related data.

APPLICATION INSTRUCTIONS

SUBSTRATE QUALITY

Concrete substrates

- Concrete shall meet requirement of AS 3600:2018, AS 3740:2021, AS 3959:2023.
- Concrete shall be clean and dry and adequately cured in accordance with AS3958:2023 prior to works.
- Concrete shall be prepared to a CSP 1-3 prior to waterproofing and tiling works. Any pit, voids or protrusion in the surface shall be repaired with a suitable Sika repair mortar prior to works. Steel trowel finished concrete shall be mechanically prepared.
- Concrete that exhibits elevated moisture, refer to substrate moisture section in this document.

Screeds & Mortar beds

- Bonded screeds shall have an appropriate slurry bond coat consisting of LANKO 751 Lankolatex SBR additive mixed with neat Portland Cement. Screed shall be placed over the slurry "wet to wet" prior to the slurry bond coat skinning or drying.
- Screeds shall be adequately compacted and falls to wastes created in accordance with waterproofing requirements.
- Unbonded screed shall have an appropriate separation layer of 200µm polythene sheet or similar material to separate the screed from the substrate.
- Unbonded screeds can be reinforced with galvanised wire and per AS 3958:2023 or Sika® Confibre® 19F.

Blockwork / Concrete Masonry Units - CMU

- Blockwork shall be cleaned and prepared with a suitable render ie Sikawall® 120 Pro Render and allowed to dry. Other renders may be appropriate if they are designed to accommodate the expected loads of a tiling system.

Fibre cement sheet - CTU, CFC, & FC Boards

- Fibre cement sheeting shall comply with applicable Australian standards and be installed in accordance with the relevant AS standards and designed to receive a tiling system.
- Surfaces shall be cleaned and free from dust and debris and be fixed in accordance with the manufacturer's instructions.
- FC sheets shall be a minimum of 9 mm for wall and floor applications.
- Surfaces shall be primed prior to waterproofing and

direct tile bonding.

Timber, Plywood and Particleboard

- All timber or wood based substrates shall be either oversheeted with a suitable fibre cement sheet or covered with an unbonded reinforced screed. Refer to AS 3958:2023 requirements.

SUBSTRATE PREPARATION

- Surfaces shall be primed with a suitable primer prior to waterproofing and tiling.
- Surfaces that have a waterproofing membrane applied shall have tiles directly bonded to the water proofing membrane.

Prime surfaces with a suitable primer, refer to **System Structure** section in this document.

APPLICATION

Applications shall be in accordance with the latest product data sheet (PDS).
Waterproofing applications shall be in accordance with National Construction Code (NCC) requirements and other applicable Australian Standards:

- AS 3958:2023 The Installation of Ceramic & Stone Tiles.
- AS 3740:2021 Waterproofing of Domestic Wet Areas.

CURING TREATMENT

- Protect installation during and after completion of works prior to commissioning the area for service.

MAINTENANCE INSTRUCTIONS

MAINTENANCE

Silicone expansion joints are considered a maintenance product and shall be maintained, repaired and reapplied as required throughout the life of the SikaTile®-1200 Heavy Duty Wet Area System

LEGAL NOTES

The information, and, in particular, the recommendations relating to the application and end-use of Sika products, are given in good faith based on Sika's current knowledge and experience of the products when properly stored, handled and applied under normal conditions in accordance with Sika's recommendations. In practice, the differences in materials, substrates and actual site conditions are such that no warranty in respect of merchantability or of fitness for a particular purpose, nor any liability arising out of any legal relationship whatsoever, can be inferred either from this information, or from any written recommendations, or from any other advice offered. The user of the product must test the product's suitability for the intended application and purpose. Sika reserves the right to change the properties of its products. The proprietary rights of third parties must be observed. All orders are accepted subject to our current terms of sale and delivery. Users must always refer to the most recent issue of the local Product Data Sheet for the product concerned, copies of which will be supplied on request.

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