

# FLOOR LEVELLING INSTALLATION GUIDE

LAMINATES & LUXURY  
VINYL TILES (LVT)



# GENERIC INSTALLATION GUIDELINE FOR THE INSTALLATION OF FLOATING LAMINATES INLAND REGIONS

SUBSTRATE TYPE		MOISTURE READING : < 3%				MOISTURE READING : > 3%				LEVELLING & FLOOR FINISH	
SUBSTRATE	SUBSTRATE FINISH	MOISTURE BARRIER	MOISTURE BARRIER THICKNESS	COATS REQUIRED	KEYING AGENT	MOISTURE BARRIER	MOISTURE BARRIER THICKNESS	COATS REQUIRED	KEYING AGENT	SELF-LEVELLING SCREED	ADHESIVE
<b>Surface Bed:</b> Concrete or cement:sand screed	Smooth (P/F)	Vapourscreen WB	150 micron / per coat	2	Primercoat	VaporStop HB	250 micron / per coat	1	Primercoat	Screedmaster	Not Required
	Medium (W/F)	Vapourscreen WB	200 micron / per coat	2	Primercoat	VaporStop HB	250 micron / per coat	1	Primercoat	Screedmaster	Not Required
	Rough	Vapourscreen WB	250 micron / per coat	2	Primercoat	VaporStop HB	250 micron / per coat	1	Primercoat	Screedmaster	Not Required
<b>Suspended Slab:</b> Concrete or cement:sand screed	Smooth (P/F)	Not Required	N/A	N/A	Primercoat	Vapourscreen WB	150 micron / per coat	2	Primercoat	Screedmaster	Not Required
	Medium (W/F)	Not Required	N/A	N/A	Floor Primer	Vapourscreen WB	200 micron / per coat	2	Primercoat	Screedmaster	Not Required
	Rough	Not Required	N/A	N/A	Floor Primer	Vapourscreen WB	250 micron / per coat	2	Primercoat	Screedmaster	Not Required

## IMPORTANT INFORMATION PERTAINING TO THE ABOVE:

- The above information is intended as a quick-reference guide only. A full materials and methods specification must be obtained from TAL for specific projects. This to be read in conjunction with the product data sheets and general-purpose method statements.
- Reference must be made the to the prerequisites stipulated in SANS 10070 Code of Practice pertaining to the installation of Resilient Thermoplastic and similar Flexible Floor Coverings in addition to the above Installation Guideline.
- The success and sustainability of a flooring installation is largely dependent on the substrate conditions and the quality of the background preparation before the flooring installation.
- All surface beds should have a damp proof membrane and all substrates must attain the moisture level indicated by the manufacturer of the Laminate Flooring. Failure to follow these guidelines will certainly result in a failure of the flooring installation with time. Moisture testing must be conducted on various sections of the floor using a suitable moisture meter (ie a "Caisson VI-D4"). The application thickness of the vapour barrier will be determined by the moisture content of the substrate.  
It should be noted that whilst a floor may test as "dry" during the moisture testing, high or fluctuating moisture levels in the substrate due to seasonal changes, high water tables, etc will adversely affect the performance and integrity of polymer-modified Underlayment Compounds, and subsequent Flooring installation.
- The TAL products must be mixed and applied strictly in accordance with the instructions on the set Project Specification and product data sheets and general-purpose method statements, using the correct equipment and following a good standard of workmanship.
- Special attention must be taken of the curing/drying periods for the various products, before proceeding with the next stage.
- For certain residential applications, TAL Superscreed SL may be considered in place of TAL Screedmaster.
- The Laminate Flooring must be installed strictly in accordance with the manufacturers' / suppliers' guidelines.
- It is our understanding that Laminate Flooring manufacturers advocate the installation of a suitable DPM separating moisture barrier, on top of the self-levelling screed, prior to the installation of their material.



# GENERIC INSTALLATION GUIDELINE FOR THE INSTALLATION OF FLOATING LAMINATES COASTAL REGIONS

SUBSTRATE TYPE		MOISTURE READING : < 3%				MOISTURE READING : > 3%				LEVELLING & FLOOR FINISH	
SUBSTRATE	SUBSTRATE FINISH	MOISTURE BARRIER	MOISTURE BARRIER THICKNESS	COATS REQUIRED	KEYING AGENT	MOISTURE BARRIER	MOISTURE BARRIER THICKNESS	COATS REQUIRED	KEYING AGENT	SELF-LEVELLING SCREED	ADHESIVE
<b>Surface Bed:</b> Concrete or cement:sand screed	Smooth (P/F)	VaporStop HB	200 micron / per coat	1	Primer Agg SQ2	VaporStop HB	200 micron / per coat	2	Primer Agg SQ2	Screedmaster	Not Required
	Medium (W/F)	VaporStop HB	200 micron / per coat	1	Primer Agg SQ2	VaporStop HB	200 micron / per coat	2	Primer Agg SQ2	Screedmaster	Not Required
	Rough	VaporStop HB	250 micron / per coat	1	Primer Agg SQ2	VaporStop HB	200 micron / per coat	2	Primer Agg SQ2	Screedmaster	Not Required
<b>Suspended Slab:</b> Concrete or cement:sand screed	Smooth (P/F)	Not Required	N/A	N/A	Floorkey Slurry	VaporStop HB	200 micron / per coat	1	Primer Agg SQ2	Screedmaster	Not Required
	Medium (W/F)	Not Required	N/A	N/A	Floor Primer	VaporStop HB	200 micron / per coat	1	Primer Agg SQ2	Screedmaster	Not Required
	Rough	Not Required	N/A	N/A	Floor Primer	VaporStop HB	200 micron / per coat	1	Primer Agg SQ2	Screedmaster	Not Required

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# GENERIC INSTALLATION GUIDELINE FOR THE INSTALLATION OF STICKDOWN LVT (LUXURY VINYL TILES) INLAND REGIONS

SUBSTRATE TYPE		MOISTURE READING : < 3%				MOISTURE READING : > 3%				LEVELLING & FLOOR FINISH	
SUBSTRATE	SUBSTRATE FINISH	MOISTURE BARRIER	MOISTURE BARRIER THICKNESS	COATS REQUIRED	KEYING AGENT	MOISTURE BARRIER	MOISTURE BARRIER THICKNESS	COATS REQUIRED	KEYING AGENT	SELF-LEVELLING SCREED	ADHESIVE
<b>Surface Bed:</b> Concrete or cement:sand screed	Smooth (P/F)	VaporStop HB	250 micron / per coat	1	Primercoat	VaporStop HB	250 micron / per coat	1	Primercoat	Screedmaster	Profix Plus LVT
	Medium (W/F)	VaporStop HB	250 micron / per coat	1	Primercoat	VaporStop HB	250 micron / per coat	1	Primercoat	Screedmaster	Profix Plus LVT
	Rough	VaporStop HB	250 micron / per coat	1	Primercoat	VaporStop HB	250 micron / per coat	1	Primercoat	Screedmaster	Profix Plus LVT
<b>Suspended Slab:</b> Concrete or cement:sand screed	Smooth (P/F)	Not Required	N/A	N/A	Primercoat	VaporStop HB	250 micron / per coat	1	Primercoat	Screedmaster	Profix Plus LVT
	Medium (W/F)	Not Required	N/A	N/A	Floor Primer	VaporStop HB	250 micron / per coat	1	Primercoat	Screedmaster	Profix Plus LVT
	Rough	Not Required	N/A	N/A	Floor Primer	VaporStop HB	250 micron / per coat	1	Primercoat	Screedmaster	Profix Plus LVT

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- The success and sustainability of a flooring installation is largely dependent on the substrate conditions and the quality of the background preparation before the flooring installation.
- All surface beds should have a damp proof membrane and all substrates must attain the moisture level indicated by the manufacturer of the LVT Flooring. Failure to follow these guidelines will certainly result in a failure of the flooring installation with time. Moisture testing must be conducted on various sections of the floor using a suitable moisture meter (ie a "Caisson VI-D4"). The application thickness of the vapour barrier will be determined by the moisture content of the substrate. It should be noted that whilst a floor may test as "dry" during the moisture testing, high or fluctuating moisture levels in the substrate due to seasonal changes, high water tables, etc will adversely affect the performance and integrity of polymer-modified Underlayment Compounds, and LVT Overlayments.
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<b>Surface Bed:</b> Concrete or cement:sand screed	Smooth (P/F)	VaporStop HB	200 micron / per coat	2	Primer Agg SQ2	VaporStop HB	200 micron / per coat	2	Primer Agg SQ2	Screedmaster	Profix Plus LVT
	Medium (W/F)	VaporStop HB	200 micron / per coat	2	Primer Agg SQ2	VaporStop HB	200 micron / per coat	2	Primer Agg SQ2	Screedmaster	Profix Plus LVT
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<b>Suspended Slab:</b> Concrete or cement:sand screed	Smooth (P/F)	Not Required	N/A	N/A	Floorkey Slurry	VaporStop HB	200 micron / per coat	1	Primer Agg SQ2	Screedmaster	Profix Plus LVT
	Medium (W/F)	Not Required	N/A	N/A	Floor Primer	VaporStop HB	200 micron / per coat	1	Primer Agg SQ2	Screedmaster	Profix Plus LVT
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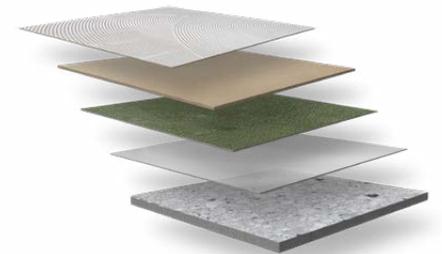


# MULTI-LEVEL SYSTEM FOR VINYL SHEETING & LUXURY VINYL TILES (LVT)

	PRODUCT	PRODUCT DESCRIPTION	PACK SIZE	COVERAGE / YIELD	COVERAGE PER PACK SIZE	CURING TIME AT 20°C and 50% RH	TOOLS REQUIRED
1. Moisture Barrier	TAL Vapourscreen WB	2 part water based epoxy moisture barrier	2.5 l 5.0 l	5m <sup>2</sup> / l per coat, 2 coats required	6.25m <sup>2</sup> for both coats 12.5m <sup>2</sup> for both coats	2 - 4 hours 2 - 4 hours	Industrial vacuum cleaner; slow speed drill (350 rpm); approved mixing paddle; short pile rollers; squeegee; moisture meter
	<b>OR</b> TAL VaporStop HB	2 part 100% solids content epoxy moisture barrier	5.0 l 14.0 l	4m <sup>2</sup> / l @ 250 micron thickness	20.m <sup>2</sup> 56.m <sup>2</sup>	12 - 24 hours 12 - 24 hours	Industrial vacuum cleaner: slow speed drill (350rpm) approved mixing paddle; short pile rollers; squeegee; moisture meter
2. Primer	TAL Primercoat	Readymix one component latex slurry	5.0 l 15.0 l	5.5m <sup>2</sup> / l 5.5m <sup>2</sup> / l	27.5m <sup>2</sup> 82.5m <sup>2</sup>	12 - 24 hours 12 - 24 hours	Broom or industrial vacuum cleaner; short-pile lambswool roller; builders block brush
3. Self-Levelling Underlayment (Min. 3mm thickness)	TAL Screedmaster	Single component, commercial grade self-levelling compound	22kg	15.0 l (mixed)	5m <sup>2</sup> /bag at 3mm thickness	24 hours	V-notch floor rake / tri-glide / adjustable spreader; electric mixer; spike shoes; spike roller
4. Adhesive (Sheet Vinyl)	TAL Profix Plus	Water-based, high performance, modified acrylic adhesive	20.0 l	6.0m <sup>2</sup> / l	120m <sup>2</sup>	12 - 24 hours	1.5mm serrated trowel
4. Adhesive (LVT)	TAL Profix Plus LVT	Solvent free, high performance, modified acrylic adhesive	5.0 l 20.0 l	6.0m <sup>2</sup> / l 6.0m <sup>2</sup> / l	30m <sup>2</sup> 120m <sup>2</sup>	12 - 24 hours 12 - 24 hours	1.5mm serrated trowel

## SPECIAL NOTES

- All substrates must be prepared by light diamond grinding, followed by sweeping and vacuuming prior to steps above
- The above does not replace the official TAL Materials and Methods Specification, but is merely indicative of a basic system
- Coverage for average 4mm thick Screedmaster: 3.75m<sup>2</sup> / bag
- Coverages are theoretical and may vary due to workmanship, site conditions and substrate roughness / porosity
- Thickness of moisture barrier:
  - TAL Vapourscreen WB – 200 microns per coat, 400 microns for 2 coats
  - TAL VaporStop HB – 250 microns (single coat)
- **NB Longer drying/curing times must be allowed for in cold ambient conditions and installation areas with limited ventilation**
- Above drying times also dependent on site and ambient conditions



# INSTALLATION TOOLS FOR UNDERLAYMENTS



Caisson VI-D4  
Moisture Meter



Contractor's Spiked  
Roller 400mm



Guaging Rake  
Stainless Steel 600mm



DIY Spiked Roller



Adjustable Spreader



Spiked Shoes



Block Brush



1600 Watt Mixer



20L Mixing Bucket





MEMBER ORGANISATION 2014

TAL is certified in Quality Standard ISO 9001, Environmental Management System ISO 14001 and Occupational Health and Safety Management System OSHAS 18001.

The TAL laboratory is an ISO 17025:2017 accredited testing facility.

Contact the TAL Technical Advice Centre

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