

## PRODUCT DATA SHEET

# SikaBond®-203 Universal Vinyl Adhesive

A high-performance, universal dispersion adhesive

### DESCRIPTION

SikaBond®-203 Universal Vinyl Adhesive is a water-based, low VOC, high performance, multi purpose adhesive designed for various PVC and common backed textile floor coverings.

### USES

Dimensional stable PVC Flooring	Linoleum
Luxury Vinyl Tiles (LVT)	Sanded back flooring up to 4mm
Luxury Vinyl Plank (LVP)	Textile floor coverings with all common backing

### CHARACTERISTICS / ADVANTAGES

- Multi flooring types
- Low odour
- Low VOC
- Strong tack build
- Easy to trowel
- Final hard set cure

### PRODUCT INFORMATION

<b>Composition</b>	1-component dispersion		
<b>Packaging</b>	14kg pail		
<b>Shelf life</b>	SikaBond®-203 Universal Vinyl Adhesive has a shelf life of 12 months from the date of production, if it is stored properly in undamaged, original, sealed packaging, and if the storage conditions are met.		
<b>Storage conditions</b>	SikaBond®-203 Universal Vinyl Adhesive shall be stored in dry conditions, protected from direct sunlight and at temperatures between +5 °C and +25 °C.		
<b>Colour</b>	Cream		
<b>Density</b>	~1.2kg/litre		
<b>Consistency</b>	Thick paste		
<b>Consumption</b>	Smooth backed domestic sheet vinyl	Trowel U1	~5m <sup>2</sup> /kg
	Smooth backed floor coverings	Trowel V1	~4m <sup>2</sup> /kg
	Texture backed floor coverings	Trowel V2	~2.5m <sup>2</sup> /kg

<b>Ambient air temperature</b>	+15 °C to +35 °C
<b>Substrate temperature</b>	During laying and until SikaBond®-203 Universal Vinyl Adhesive has fully cured, the substrate and ambient temperatures shall be between +15 °C and +35 °C. Where underfloor heating units are installed, the heating units shall be turned on prior to laying the floor covering for a minimum of 7 days to ensure that the moisture condition of the heated subfloor will permit successful laying of the coverings. Heating units shall be turned off 48 hours prior to the commencement of installation. The heating units shall not be turned on again until 48 hours after the laying is completed.
<b>Substrate moisture content</b>	<b>Moisture content requirement:</b> 85% RH (in-situ probe method: ASTM F2170) or 15 g/m <sup>2</sup> per 24 hrs (moisture vapour emission rate surface test ASTM F1869) prior to installation. <b>pH requirement:</b> The pH / alkalinity of the concrete must not be higher than 10. <b>Note:</b> AS1884-2021 should be followed in conjunction with the guidelines of the soft floor manufacturer.
<b>Curing time</b>	~24 h (final strength after ~72 h)
<b>Skin time / laying Time</b>	~20-40 minutes
<b>Flash-off time</b>	~20-40 minutes

## 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.

## IMPORTANT CONSIDERATIONS

- SikaBond®-203 Universal Vinyl Adhesive is only suitable for use by professional installers.
- For good workability, the adhesive temperature shall be  $\geq +15$  °C.
- Thermal welding of seams should not be done earlier than 24 hours after installation.
- Floor coverings need to acclimate to the room before installation according to the guidelines of the supplier.
- Protect from freezing. After being frozen the adhesive can no longer be used.
- Avoid extreme variations of environmental conditions (temperature or humidity).
- SikaBond®-203 Universal Vinyl Adhesive is only suitable for interior areas.

## 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

For the application of SikaBond®-203 Universal Vinyl Adhesive all standard construction guidelines and relevant valid data sheets apply.

## SUBSTRATE PREPARATION

- The substrate must be clean, dry, sound, absorbent and homogeneous, free from oils, grease, dust and loose or friable particles. Paint, cement laitance, prior adhesives, floorcoverings and other poorly adhering contaminants must be removed.
- All surfaces must be prepared in accordance to the current Australian Standards AS1884:2021 - Floor coverings - Resilient floor and tiles - Installation practices.
- Prime absorbent substrate with Sikafloor® -01 Primer prior to application of SikaBond®-203 Universal Vinyl Adhesive.
- Defective subfloors shall be treated by taking appropriate measures e.g. grinding, milling, vacuuming, priming or self-levelling.
- Mastic asphalt and other non-absorbent subfloors as well as rubber floor coverings may require specific self-levelling compound layer thicknesses. For appropriate layer thicknesses refer to the relevant valid data sheets.
- Concrete and/or cement screeds must be ground and thoroughly cleaned with an industrial vacuum.
- When installing floor covering with underfloor heating, existing measuring points have to be checked regarding the moisture content of the subfloor.

## APPLICATION METHOD / TOOLS

Stir SikaBond®-203 Universal Vinyl Adhesive well before use. The adhesive has to be applied on the absorbent subfloor with a trowel. The type of trowel depends on the subfloor and the backing of the floor covering (for more information, refer to Consumption). Always assure sufficient transfer of the adhesive to the floor covering backing. The installation area, floorcovering and substrate should be kept at the appropriate temperature as required by the floorcovering manufacturer and section 4 of the current AS/NZ 1884 standard. The key to a successful installation is consistent temperatures being maintained 48 hours prior to, during and ~48 hours after installation.

### **Wet phase bonding**

The flash-off time for installation on absorbent sub-floors and/or vapour permeable floor coverings is ~10–15 minutes, depending on the room climate. The floor coverings must be laid in the wet adhesive and rubbed down with an articulated floor roller. Check periodically to make sure that there is 100% adhesive transfer to the back of the floorcovering.

### **Semi-wet phase bonding**

The flash-off time for installation on low-absorbent subfloors and/or less-permeable floor coverings is ~40–60 minutes for V1 trowel, depending on the room climate. As soon as the groove domes are transparent but not yet dried through and the adhesive is forming strings the floor covering has to be laid. When Sika-Bond®-203 Universal Vinyl Adhesive is used in semi-wet bonding applications, please ensure the trowel notches are flattened so the notched adhesive does not show through the floor covering.

All types of floor coverings need to be rubbed down well especially along the seams. After a waiting time of ~15 minutes the floor covering has to be rolled again with weighted roller prior to adhesive setting. Avoid direct sunlight, direct high temperatures, dynamic stress and pointed stress. The guidelines of the floor covering manufacturer apply.

### **CLEANING OF EQUIPMENT**

Clean excess adhesive immediately using a lightly damp cloth. Clean tools immediately after use with warm soapy water. Dried adhesive may be softened using a Sika cleaner such as Sika® Colma Cleaner.

**IMPORTANT:** Do not use solvent cleaner directly on finish floorcovering, as the solvent cleaner can potentially cause damage to the surface.

## **LOCAL RESTRICTIONS**

Please note that as a result of specific local regulations the declared data for this product may vary from country to country. Please consult the local Product Data Sheet for the exact product data.

## **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, sub-

strates 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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**Product Data Sheet**

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March 2023, Version 01.01

02051203000000205

SikaBond-203UniversalVinylAdhesive-en-AU-(03-2023)-1-1.pdf