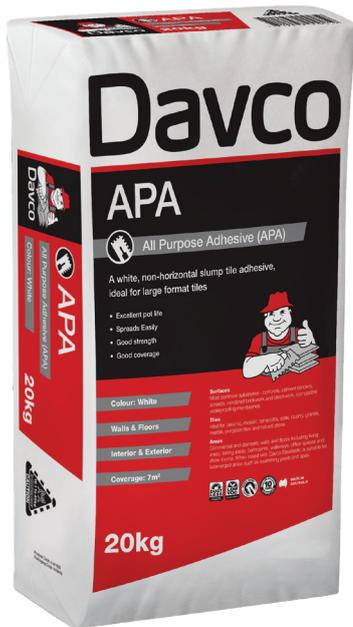




# APA



An All Purpose Adhesive (APA) formulated with non-horizontal slump, excellent for large format tiles



## FEATURES & BENEFITS

- Spreads Easily
- Good bond strength
- Excellent pot life
- White powder
- Coverage 7m<sup>2</sup>

## PACKAGING

Available in a 20kg bag

## WHERE TO USE

### Surfaces

Most common substrates; concrete, cement renders, screeds, rendered brickwork and blockwork, compatible waterproofing membranes. When mixed with Davco Davelastic, can be used over under-tile heating, timber floors (with fibre cement sheet underlay installed as stated in AS3958), flexible building boards and facades.

### Tiles

Ideal for ceramic, mosaic, terracotta, slate, quarry, granite, marble, porcelain tiles and natural stone. Not suitable for translucent tiles and moisture sensitive stones such as green marble.

### Areas

Suitable for interior and exterior applications. Commercial and domestic walls and floors including living areas, dining areas, bathrooms, walkways, office spaces and show rooms. When mixed with Davelastic, Davco APA is suitable for submerged areas such as swimming pools and spas.

## PRODUCT INFORMATION

### VOC Content

Low VOC - 4g/L (SCAQMD method 304-91)

### Coverage

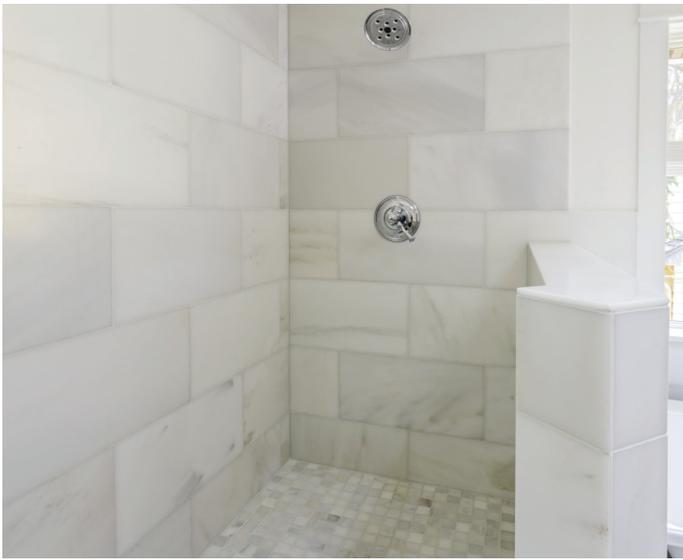
20kg bag of Davco APA covers approximately 7m<sup>2</sup> (based on a 10mm notch trowel)

### Set Time

24 hours before grouting



MADE IN AUSTRALIA



## DIRECTIONS FOR USE

- Test product in an inconspicuous area first
- It is essential to plan the area to be tiled, with inclusion of movement joints, in accordance with the Australian Standard AS3958.1 “Guide to the Installation of Ceramic Tiles.” Failure to do so may result in drummy or lifting tiles
- Select a trowel with an appropriate square-notch size for the size and type of tile

TILE SIZE	TROWEL NOTCH SIZE	BACK BUTTERING REQUIRED
Mosaic tiles	6mm	
Wall tiles up to 150 x 150mm	6mm	
Wall/floor tiles 150 x 150mm and over	10mm	
400 x 400mm and over	12mm	✓
Any tile size with uneven back, lugs or grooves	As above, dependent upon tile size	✓

## SURFACE PREPARATION

- All surfaces must be installed according to manufacturer’s instructions and relevant Australian Standard(s) and be structurally sound, dry, clean and free from movement, oil, grease, wax, sealers, curing compounds, release agents and any other loose or contaminating material. Thoroughly clean old surfaces, or new surfaces that have been treated, prior to tiling
- Deeply contaminated surfaces must be scabbled / abraded to a clean, sound surface. Expose at least 80% of the original substrate of painted surfaces
- Surfaces should be prepared and primed as per the following:

SUBSTRATE	SPECIFIC REQUIREMENTS	PRIMING
Concrete - wood float finish (rough)	Cured minimum 6 weeks	Prime with Davco PrimeX or Ultraprime
Concrete – steel trowel finish (smooth)	Cured minimum 6 weeks Free of laitance (not flaking)	Prime with Davco PrimeX
Rendered brick / blockwork - wood float finish (rough)	Cured minimum 7 days Sound (not drummy or cracked)	Prime with Davco PrimeX or Ultraprime
Screed - wood float finish (rough)	Cured minimum 7 days Sound (not drummy or cracked)	Prime with Davco PrimeX or Ultraprime
Fibre cement sheet, plasterboard	Correctly and firmly fixed	Prime with Davco PrimeX or Ultraprime
Compressed fibre cement sheet	Correctly and firmly fixed	Prime with Davco PrimeX
Timber floor	Correctly and firmly fixed with ceramic tile underlay and mixed with Davco Davelastic 1:1 ratio	Prime with Davco PrimeX
Existing ceramic tiles (provided tile is not sealed or in a submerged area, such as swimming pools)	Securely bonded existing tiles (not drummy)	Prime with Davco Ultrabond (See Ultrabond Technical Data sheet)
Other difficult / non absorbent substrates (e.g. contaminated / old flooring adhesive or tile adhesive)	Where not feasible to remove	Prime with Davco Ultrabond

## MIX PREPARATION

### Mix Process

SITUATION / REQUIREMENT	MIX REQUIREMENTS PER 20KG
General applications	6L of clean, potable water

1. Measure the required amount of clean, potable water into a clean bucket.
2. Slowly add the powder into the water while mixing with a mixing paddle attached to a drill. Always add the powder to the liquid. Do not mix by hand.
3. Continue to mix for several minutes until a creamy consistency is achieved, free of lumps of powder.
4. Allow mixture to stand for 5 minutes, remix then use the adhesive.

## APPLICATION

### Laying the tiles

1. Deposit a quantity of adhesive onto the prepared substrate. Do not apply more adhesive than can be tiled within the open time of the product, usually from a single tile up to around 1m<sup>2</sup> at a time.
2. Hold the notched trowel at an angle of 60° or greater to the substrate.
3. Spread the adhesive over the area where tile is to be applied, forming straight rows of adhesive “beads”.
4. Where “back buttering” is required, use the straight side of the trowel to apply a thin covering of adhesive to the back of the tile.
5. Position the tile on the beaded adhesive and press firmly.

Move the tile forward and then back at 90° across the direction of the beads to ensure all beads are flattened leaving no voids under the tile. Occasionally lift a tile after placing it to check that the beads are fully compressed and that sufficient coverage has been achieved (90–100%). Replace the tile.

- After laying a section at a time, remove any excess adhesive from the grout joint and the surface of the tiles with a damp cloth while the adhesive is still wet.

## Clean-up & Return to Service

- Clean tools and equipment with water before the adhesive dries
- Allow product to gain initial set before grouting
- Allow product to set firmly before return to service

**Note:** Setting times of adhesive is affected by site conditions, climate and could be faster or slower than specified

## PRECAUTIONS

### Safety

- SDS is available from [www.davcoaustralia.com.au](http://www.davcoaustralia.com.au)
- It is recommended that applicators wear PVC or similar gloves and safety goggles while handling this product
- Keep out of reach of children. If eye contact occurs, rinse with cool water

### General

- Movement joints must be installed as stipulated in AS3958, “Guide to the Installation of Ceramic Tiles.” Failure to do so may result in drummy or lifting tiles
- Do not apply in temperatures above 35°C or below 5°C
- In cool and / or humid conditions, allow longer setting times
- Do not allow the adhesive to skin prior to laying the tiles. If the adhesive skins remove and dispose of it, then re-apply fresh adhesive

### Specific

- Not suitable for tiling over existing ceramic tiles – use Davco SMP Evo
- Not suitable for moisture sensitive stone – use Davco 2 Part Rapid
- For other uses not mentioned in these instructions, please visit [www.davcoaustralia.com.au](http://www.davcoaustralia.com.au)

## TECHNICAL DATA

TECHNICAL DATA	APA
Appearance	White powder
Coverage 20kg based on 10mm notch trowel	7m <sup>2</sup>
Open time	30 minutes
Adjustment time	45 minutes
Pot life	2 hours
Set time before grouting	24 hours
Set time before return to dry area service	24 hours
Set time before return to wet area service	24 hours
Shelf life when stored unopened in elevated, cool, dry location	12 months

All measurements are taken at 22°C and 50% relative humidity. Specifications vary according to site conditions and should be taken as a guide only.

## 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.



Davco products manufactured in Australia are produced in accordance with quality management systems certified as complying with AS/NZS ISO 9001:2008.