



## Technical Data Sheet

# Synthetic Grass Adhesive

### Description

**Carson Synthetic Grass Adhesive** is a solvent-based adhesive specifically formulated for the installation of synthetic/artificial grass. With excellent early bond strength **Carson Synthetic Grass Adhesive** prevents edge curling and is formulated to resist outdoor weather conditions.

### Features

- Early tack development prevents edge curling
- High bond strength once fully cured
- Smooth trowelability & good hold up
- Suitable on most internal or external substrates
- Durable all weather bond

### Recommended Uses

- Latex and polypropylene backed synthetic grass
- Other outdoor polypropylene carpets
- Suitable for use on concrete, exterior grade timber, asphalt and paved surfaces
- Ideal for use in marine or marina deck covering installations, balconies and recreational areas



### Surface Preparation

Subfloors must be level, sound, dry and free from any deleterious materials such as oil, dust or other contaminants eg. Old paint, coatings or previous adhesives.

The synthetic grass backing must be inspected before installing. It must be free of oil, dust or other loose or flaking surface contaminants.

Refer to AS/NZS2455.1-2007 "Textile Floor Coverings- Installation Practice- General" for preparation and installation details.

### Application

Check trowel notches for wear and tear and replace worn down trowels. Ensure trowels are clean and the trowel notches are not clogged with dried adhesive.

Before laying down any synthetic grass/outdoor carpet, the adhesive must be allowed to "tack up". Tack-up time varies depending on weather conditions i.e. slower to tack up in colder conditions and faster to tack up in warmer conditions. Ideal tack up time can be determined by pressing a small representative sample of the synthetic grass onto the troweled adhesive. When pulling up the sample, the adhesive should transfer to the backing and be stringy or leggy.

Once the material has been laid in, it must be rolled immediately in both lengthwise and widthwise directions with a 25-35kg roller. The synthetic grass/carpet should then be re-rolled in both directions after 60 minutes after being laid.

\*Do not install the floor covering if the adhesive becomes too dry during installation. Only spread enough adhesive that can be used within the open time.



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## Transfer Test

Because of the wide variety of backing textures, a small test should be performed to ensure the correct trowel size is used. Simply trowel out a small area of adhesive (10cm wide x 25cm long) and immediately lay a small, representative sample of the floor covering into the wet adhesive. Roll sample in both directions with a heavy roller or step on the sample with even pressure. Immediately lift the sample up and inspect the adhesive coverage on the backing. The adhesive should transfer to at least 90% of the backing area. If 90% adhesive transfer does not occur, choose a larger square-notched trowel and re-check.

## Trowel Recommendations & Coverage

For rough or coarse backed synthetic grass, spread the adhesive onto the prepared subfloor using a 6.0mm square-notched trowel (Notch dimensions: 6mm wide x 6mm deep x 6mm spacings).

Coverage of approximately 0.9m<sup>2</sup> per litre when the adhesive is evenly spread with a 6.0mm square-notched trowel.

For smooth-backed synthetic grass or flat outdoor polypropylene carpets, spread the adhesive onto the prepared subfloor using a 4.0mm square notched trowel. (Notch dimensions: 4mm wide x 4mm deep x 4mm spacings).

Coverage of approximately 1.6m<sup>2</sup> per litre when the adhesive is evenly spread with a 4.0mm square-notched trowel.

## Limitations And Precautions

Using a small sized trowel on coarse backings will not ensure proper adhesive transfer to the backing which can result in a failed bond.

Do not apply adhesive if temperature is below 10°C or above 35°C.

Do not allow heavy traffic for a minimum of 24 hours.

Do not thin down the adhesive with solvent.

Not to be used on oily timber.

Solvents contained in the product may soften asphalt surfaces, however after solvent evaporation the asphalt surface will reharden. **IMPORTANT:** for application on asphalt surfaces do not uplift the synthetic grass once laid in to the adhesive. This may cause the softened asphalt to break away from the subfloor resulting in a poor bond.

Because of the wide range of synthetic grasses and carpets available, it is advisable to pre-test materials to assess product suitability/compatibility.

Do not use in rain or if rain is expected during installation.

## Bostik Co-Operative Test Program

Bostik offer a service in which a program has been established to eliminate potential field problems by pre-testing Bostik adhesives with samples of building materials to which the adhesive will be applied. This service is available on large projects where pre-application testing will aid in determining the proper surface preparation method to achieve optimum adhesion. Consult a Bostik representative for further information.

## Properties

<b>Colour</b>	Green
<b>Viscosity</b>	Thick trowelable paste
<b>Tack Up Time at 20°C</b>	Approx. 10-15 minutes
<b>*Open Time at 20°C</b>	Approx. 30-40 minutes
<b>Full Cure</b>	2-3 days depending on weather conditions



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*\*Open time is the window of time after application that the adhesive will accept the floor covering. Open time is greatly influenced by substrate porosity, trowel size and weather conditions*

*\*Open time to be used as a guide only*

## Clean Up

Bostik Anchor-weld 901 solvent cleaner is recommended to remove adhesive from tools and equipment. For easiest clean-up, remove the adhesive from tools while it is still wet.

## Storage & Shelf Life

Store in cool, dry conditions and out of direct sunlight. Store away from flames and ignition sources. When not using the adhesive, ensure the lid is always on and tightly sealed. In colder climates, the product should be preconditioned to 20°C before use.

Minimum shelf life of 12 months from date of manufacture when stored in the original unopened container at normal room conditions.

## Packaging

20 litre open head metal pails

## Safety Precautions

SEE THE MATERIAL SAFETY DATA SHEET FOR ADDITIONAL INFORMATION.

EMERGENCY INFORMATION: 1800 033 111 (ALL HOURS)

MSDS can be downloaded from [www.bostik.com.au](http://www.bostik.com.au)

## Product Details

ITEM NO	ITEM NAME	SIZE
276871	Synthetic Grass Adhesive	20 lt
503290	A/Weld 901 Cleaner	20 lt
503304	A/Weld 901 Cleaner	4 x 4lt

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Quality endorsed ISO9001 (Thomastown site)  
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