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For Every Step



Product Data Sheet

CA400

Adhesive

Two Part Flexible Polyurethane Adhesive

CA400 is a two-part flexible polyurethane adhesive system.

It is a specifically formulated, permanently flexible, water resistant adhesive used for the installation of rubber flooring, commercial sheet vinyl and other difficult products that need to be adhered to concrete, brick, masonry, fibre cement sheeting, aluminium and steel.

- Excellent adhesion on most common building substrates including concrete, timber, and steel.
- Provides a bond that is highly resistant to water and most common chemicals
- VOC certified product (max 21 gms/litre)

Specifications

Benefits

Strong yet flexible cure. High durability with good weathering and water resistance.

Two-part kit, ready for immediate use in pre-weighed containers – no measuring out of quantities required

Application

For installation of tactile indicators in both individual and tile format where excellent adhesion and tear strength is required.

MSDS and VOC certificates available on request.

Size: 2.5kg Kit (coverage = approx. 4m²) Part A: 2.32kg and Part B: 0.18kg

Surface Preparation & Installation Conditions

All surfaces should be clean, dry and free from grease, oil and other contaminants.

Water content of the concrete must be measured and it is not to be higher than 2.5%.

Subfloors must also be free from wax, grease and hydrostatic pressure.

Curing time is related to temperature and this product should not be applied at temperatures below 10°C.

Mixing Instructions

It is recommended that for the best results a complete kit is used.

Empty the full contents of CA400 Part B Hardener Kit into CA400 Part A Resin Compound and mix thoroughly (3-4 minutes) with paddle attached to slow speed electric drill to achieve a thick grey consistency. Ensure sides and base of container are thoroughly mixed in.



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Installation Application

Where installing Tredfx Tactile Indicators in the 300x300mm tile format:

Mark out the substrate for the position of the install and use masking tape or the like to create a border.

Using the recommended notched trowel spread the adhesive over a predetermined area.

Apply the tiles into position onto the wet adhesive and firm into place. Roll lightly and check that transfer of the adhesive to the back of the tile has occurred.

Once completed remove the tape and clean up any residue adhesive with acetone and a clean white rag (coloured rags may cause staining).

Where installing Tredfx Tactile Indicators in the individual flat-backed button format:

Mark out the substrate for the position of the install. Using a Tredfx Tactile Positioning template, etch / score the substrate surface where each tactile is to be placed, and clean well with acetone – this will aid with adhesion. Pour fully mixed contents of the CA400 adhesive into the empty cartridges (3 provided as part of the kit) and insert the cartridge plug. Place in a caulking gun, open/trim nozzle to desired size, and commence placing a disc of the adhesive (approx. 20-cent piece size) in the centre of each hole in the positioning template. Place the tactile button into each of the template openings and press it firmly into the adhesive with a twisting motion to release any air underneath. Check the first couple of buttons installed, ensure that there is full adhesive cover, and transfer of the adhesive to the back of the button has occurred. Once completed clean up any residue adhesive with acetone and a clean white rag (coloured rags may cause staining).

Cure Time

Curing time is related to temperature and this product should not be applied at temperatures below 10°C.

Gel time is approx 1hr at 25°C. Cure Time is 10-12 hours at 25°C.

Ensure areas are barricaded off from all traffic for at least 12 hours to cure.

Clean Up

All tools and equipment can be readily cleaned using Acetone. Always follow the specific Safety Directions when using acetone. If clean up is required off a finished surface, always test an unseen area first before to determine suitability for your particular application prior to use.

Safety Directions

Avoid contact with skin and eyes, avoid breathing vapours. Wear protective gloves and safety face mask when mixing and using. These materials may cause skin irritation and/or sensitisation.



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First Aid Measures

If swallowed, DO NOT induce vomiting. Give a glass of water. If poisoning occurs, contact a doctor or Poisons Information Centre. If skin contact occurs, remove contaminated clothing and wash skin with soap and water thoroughly. If in eyes, hold open and flood with water for 15 minutes and see a doctor. If allergic response occurs, seek medical advice.

FAQ

What is the best notched trowel size to use?

Normally for Tredfx tactile tiles we suggest using a 2.4 x 2.4 x 2.4mm 'V' notched trowel. Coverage approx 1-1.5m²/kg

Typical Properties: Resin Compound

Appearance: Grey

Base: Polyurethane resin

Solids: 100% (approx)

Viscosity: Thick Syrup

Shelf Life: Up to 1 year in sealed container at 20°C

Are MSDS available?

Yes they are – please request these from the Customer Service team

What is the open time on the CA400 adhesive once mixed?

CA400 has an open time of approx 15 mins at 25°C.

This time reduces especially once spread (i.e. once there is a large surface area exposed to the air), so it is essential that the tiles are placed into the wet adhesive quickly before the adhesive skins. Gel time is approx 1hr at 25°C.

I only have a small area to do – can I mix up part of the CA400 adhesive kit?

It is NOT recommended. For the best results the two components of a complete kit must be mixed together in one lot.

Can I keep some of the mixed CA400 adhesive to be used at a later time?

No, once the two components are mixed together the chemical curing process is activated.