UNISTICK CA

SOLVENT BASED CONTACT ADHESIVE



Product Features

UNISTICK CA is an extra-strong, rapid-setting contact adhesive engineered for high-performance bonding across a wide variety of construction, industrial and repair applications. It gives immediate initial grab and high bond strength, and forms a tough, permanent and flexible bond line.

UNISTICK CA is specifically designed for securing elastomeric and joint accessories such as **cork, closed-cell polyethylene, and butyl rubber directly onto concrete and masonry surfaces.** In addition, its versatile multi-substrate adhesion allows for instant surface bonding across diverse materials, including wood, hardboard, metals, rubber, rigid plastics, decorative laminates, and leather.

Advantages

- Extra-Strong Initial Grab & High Ultimate Bond Strength
- Rapid-Drying Formula for Fast Installation
- Ready To Use, No Mixing Required
- Multi-Substrate Versatility Across Porous & Non-Porous Surfaces
- Tough, Durable & Flexible Adhesive Film

Fields Of Application

- Cork, Closed-Cell Polyethylene & Butyl Rubber to Concrete Substrates
- General Construction & Site Maintenance Repairs
- Laminates, Timber, Hardboard & Decorative Woodwork Fabrication
- Metal-to-Concrete & Metal-to-Masonry Assembly
- Industrial Rubber, Rigid Plastics & Synthetic Sheeting Attachment

Compatible Products

- UNIFLEX® PE and RBCF filler boards, to fix the board before the second pour
- UNIFLEX® PE Slip Membrane, to bond the membrane to the bearing surface
- UNISWELL® SW10, SW20 and SW47 waterstops, to bond the strip to the concrete

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Technical Properties

Property	Unit Measurement	Result
Density	g/ml	0.83 - 0.86
Viscosity	mPa·s	3000 - 4000
Total Solid	%	24.0 ± 1
Tack Life	minutes	5 - 30

Tack life depends on the porosity of the surfaces.

Physical Properties

Material	:	Synthetic elastomer / Resin in organic solvents
Colour	:	Yellowish to light brown
Physical Appearance	:	Viscous Liquid
Packing	:	1 Litre / Tin

Health & Safety

The solvents in this product are **highly flammable**. Use only in a well-ventilated area and keep away from open flame, heat, sparks, ignition sources, hot work and static discharge. This hazard applies while the adhesive is wet, because of the solvent carrier; **the adhesive is non-flammable once it has cured**. For handling, first aid, spillage and disposal, refer to the Safety Data Sheet for **UNISTICK CA**.

Shelf Life & Storage

Keep the lid tightly closed after use and store in a cool, dry, well-ventilated area away from heat and sparks. Shelf life is up to **12 months** in the unopened tin when stored as recommended.

Cleaning

Remove wet **UNISTICK CA** from tools and surfaces with acetone before it sets. Solvents in the adhesive or in acetone can damage some surfaces, so test on a small area first. Cured adhesive can only be removed mechanically.

This technical data sheet is given in good faith and does not guarantee the application work.
All Unity Reliance technical data sheets & method statements are updated on a regular basis and can be subject to change without notice.
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Installation Procedures

1 Preparation | 2 Application | 3 Fixing

Step 1
PREPARATION

Make sure the surfaces to be bonded are smooth, clean and dry, free from dust, dirt, oil, grease, organic growth and release agents.

Step 2
APPLICATION

Open the tin and **brush or spread the adhesive evenly** over both surfaces.

Leave the coated surfaces until the adhesive is just tacky, approximately **5 - 30 minutes** depending on the conditions and surface porosity.

Ensure the surfaces are accurately aligned and then **press firmly** together. They will stick immediately, so position carefully. **Close the lid tightly** after use.

Step 3
FIXING ACCESSORIES

UNIFLEX® PE / RBCF filler board: spot-bond the board to the hardened joint face of the first pour, full slab depth, so that it stays in place while the second pour is placed.

UNIFLEX® PE Slip Membrane: apply **UNISTICK CA** to the bearing surface and to one face of the membrane. When touch-dry, position the membrane and roll it firmly for full contact.

UNISWELL® SW10 / SW20 / SW47: brush a continuous band of **UNISTICK CA** about 30 mm wide along the line of the waterstop, plus a thin coat on the bonding face of the strip. After 5 - 30 minutes press the strip firmly into place. Cast the second pour only when the adhesive has dried. One litre covers approximately **20 - 30 m** of strip.

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