

# Cascapur PU Gel Adhesive

Cascapur Gel is a one part, cartridge-loaded, solvent free, moisture curing polyurethane thixotropic gel.

Cascapur Gel has been formulated for high performance water-resistance bonds between a wide range of materials, and is available in both standard and fast cure formulations.

The thixotropic nature of the gel prevents slumping and gives a level of gap filling to the bond. Cascapur Gel has excellent adhesion to wood, chipboard, polyurethane, mineral wool, concrete, stone, bricks, gypsum boards and all traditional porous substrates. It can be used in a wide range of bonding applications. Cascapur Gel is ideal for all types of wood bonding and joinery, bonding wooden constructions, boats, jointing sandwich panels, and insulation as well as many other applications.



## Benefits

Non-slumping, ready to use, gel	Excellent weathering and ageing properties
Solvent free	Foams slightly to fill gaps
Totally non flammable	Excellent chemical resistance
Fully waterproof to EN204 D4	High performance bonds between a wide range of materials

## Technical Data

Total solids	100% (solvent free)
Specific gravity	1.07
Viscosity	Thixotropic gel
Temperature resistance	-30C to +100°C
Application temperature	+5°C to +35°C

## Available Size

310ml Cartridge

## Preparation and Application

At least one of the surfaces to be bonded must be porous and ensure surfaces are always clamped during cure.

Firstly cut the tip of the cartridge and screw on the nozzle. Cut nozzle to an angle of 45 degrees. Apply the adhesive, using a standard cartridge gun, to one of the surfaces to be bonded and assemble the bond immediately within 5 minutes. Apply pressure to the bond, by means of a clamp. The product will foam slightly on application to fill any small gaps. Clean away any excessive adhesive immediately.

Under normal conditions the gel will skin over after approximately 5 minutes and give a handleable cure within 10 minutes and final bond strength achieved in 12 hours.

## Curing Table

CASCAPUR GEL	Temperature	15°C	20°C	25°C
Standard	Open Time (mins)	10	6	3
Fast		6	3	2
Standard	Cure Time (mins)	50	30	10
Fast		15	5	4

## Handling and Storage

Cascapur Gel should be stored unopened in a dry condition at a temperature range of 10°C and 25°C. This will ensure the stated shelf-life of 12 months. The adhesive will have a limited life once the container has been opened.



**DISCLAIMER** Due to the variation in materials likely to be handled by prospective users of this product, together with differences in production techniques and ultimate performance required, it is important that this product is thoroughly evaluated under production and end use conditions before being commercially adopted. Such an evaluation should incorporate an ageing test and this test should be repeated if the substrates on which the this product is used are changed in any way or are purchased from a different source. During the evaluation and testing of the product, it is the purchasers' end user's responsibility to carry out appropriate actions for the protection of the environment, the health and safety of its employees and purchasers of its products. No employee of Ureka Global Ltd has any authority to waive or change the forgoing provisions. The above recommendations are made in good faith for the guidance of users and are without liability. Any queries should be made in writing to the head office of Ureka Global Ltd.

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