

# An Introduction to Glassbond LED Capping Adhesives

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# Background

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- Established in 1978 to manufacture lamp capping cements for the lighting industry
- Manufacturer of high temperature ceramic adhesives and moulding compounds for the lawn bowl industry
- For the last few years we have been supplying instant and UV adhesives
- 26 employees on site in St. Helens, UK
- Network of agents throughout Europe



# Background

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- ISO9001: 2015 and ISO14001:2015 registered
- Established and well trusted in the market
- Experienced global exporters
- Technical expertise in our areas of business
- Nimble and fast moving, able to adapt



# Introduction

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- A collection of UV-curable adhesives – liquid, gel and thick gel
- Proprietary formulations manufactured in the UK
- First generation commercialised in 2019
- Suitable for bonding glass, ceramic, metal and plastics in seconds
- Introduced originally for use in LED lamp manufacture where sensitive electronics are used

# UV-Curables

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- Contains a blend of photoinitiators, polymers and resins
- Supplied in opaque packaging to prevent exposure to light
- Typical applications:
  - Signage
  - Automotive
  - PCBs
  - Dental
  - OLED displays
  - Fibre optics



# UV-Curables

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- Best suited to applications that use at least one transparent substrate such as glass or thermoplastics
- Can also be used for potting applications
- Three grades available:
  - L904, general purpose metal bonder (liquid)
  - L930, thixotropic metal bonder (thick gel)
  - L931, thixotropic plastic bonder (gel)
- Easy to handle with an indefinite working time, cures on demand

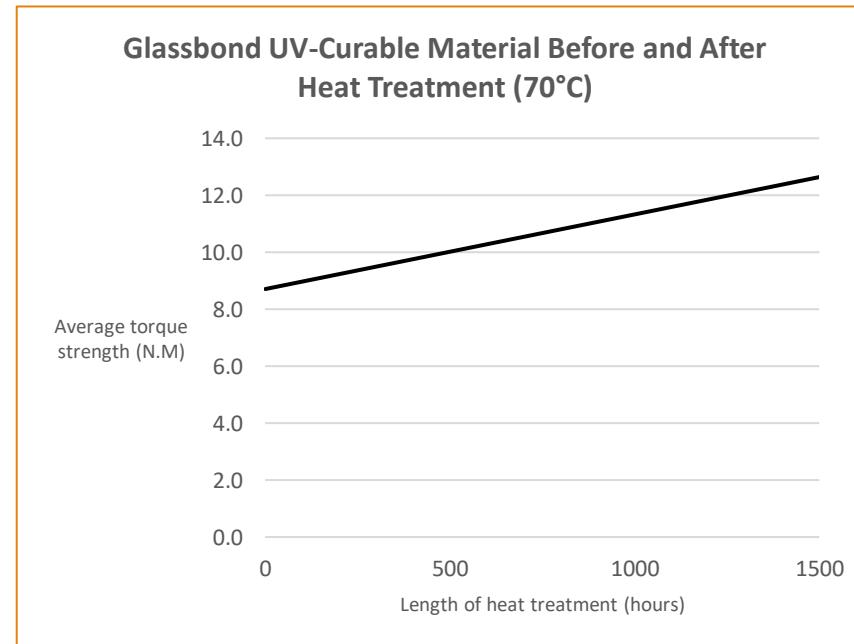


Bonding glass to aluminium with L904

# UV-Curables

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- Thermal post-cure effect on tensile and torque strength – increases seen in warm environments
- Use a photochemical reaction to cure in seconds
- Suited to UV-A wavelengths at 365 - 420nm (optimum 395nm)
- Invisible bond line, complete optical clarity



# Packaging

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- Various packaging sizes available to meet every requirement

UV-Curables
50g bottles
100g bottles
5Kg jerry cans
20Kg jerry cans

- Fully compatible with automated production lines for high speed manufacture
- Jerry cans are supplied with aeroflow taps to allow for easy dispensing (L904)
- Other package types available on request



# Contact Details

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