



# ULTRA BOND

FMT6325

MMA ADHESIVE : STRUCTURAL BONDING & REPAIRING

## ULTRA BOND 1:1 STRUCTURAL ADHESIVE

## PRODUCT INFORMATION

- 2-component methyl methacrylate.
- Melts synthetic materials literally together.
- UV-resistant and re-paintable.
- Long open working time, but with a fast curing.
- Extremely impact-proof and very high shear and tensile strength: 6000 N/cm<sup>2</sup>.
- Very good chemical resistance: resists to solvents, water, acids, cleaning products, oils & fuels
- Very high temperature resistance: 150 °C (peaks up to 200°C).
- Extreme adherence to ferrous and non-ferrous metals lacquered or not, ABS, PVC, acrylates & thermo-setting composites.

## AVAILABLE PACKAGING

25ML  
50ML  
200ML  
400ML

## APPLICATION INFORMATION

### INDUSTRY:

- Wind Energy – Bonding and repairing of wind turbines
- Aerospace – Production of passenger aeroplane seats
- Signage – Production of exterior shop signs
- Repair of hard and flexible synthetic materials with fast curing time.
- Repairs quickly ABS, SMC, PVC, HPL, melamine, wood, glass, stone, ...
- Ideal for chemical anchoring in Gyproc, cellular concrete, bricks, Ytong, concrete, stone, wood, ..
- Bonds difficult synthetic materials, except PE, PP, Silicon, Teflon®,

## **AUTOMOTIVE:**

- Car body shops, garages, commercial vehicles, caravans, motorhome...
- For repair and bonding of hard and flexible, fibre filled or not, synthetic materials such as polyester, extension kits, headlights, bumpers, aluminium casings, steel tanks, body panels, radiators ...
- Approved for paint bake cycling and powder coating, 200°C - 20 min.

## **GENERAL INFORMATION**

---

Ultra Bond is a 3rd generation acrylic adhesive for structural bonding and repair of synthetic materials.

It consists of methyl methacrylate, is fast curing, has an extreme tensile strength and has very good UV and solvent resistant.

Can be quickly drilled, tapped, sanded and painted

Requires very little surface preparation on most substrates but roughening metals before application is advised.

## **TECHNICAL INFORMATION**

---

MMA Adhesive: universal 2 component self-mixing methyl methacrylate adhesive (MMA), for bonding and repairing.

Mix ratio: 1/1.

Working time: 8 minutes.

Fixture time: 12 - 15 minutes.

Workable: after 30 minutes.

Tensile strength: 60 N/mm<sup>2</sup>.

Shear strength: 24 N/mm<sup>2</sup>.

Impact strength: < 20 KJ/m<sup>2</sup>.

Constant temperature resistance: 150 °C - approved for paint bake cycling and powder coating (200° - 20 minutes).

Chemical resistance: to most solvents, gasoline, diesel, oil, acids, antifreeze, cleaning products, aggressive vapours, ...

UV-resistance: OK.

Adherence: stainless steel, steel, aluminium, lacquer, varnish, wood, Plexiglas, polycarbonates, PVC, fibreglass, ABS, polyester, acrylates, vinyl, esters, urethane, ...

**Colour: black. Can be painted.**

**Shelf life: 12 months, keep dry, cool and frost-proof.**

**Safety measures: consult the Safety Data Sheet.**