



*Hot melt adhesive for precast concrete*



# casttec<sup>®</sup> precast adhesives

Hot melt system specifically designed for the precast concrete industry

The casttec<sup>®</sup> hot melt system is designed and produced to save companies in the precast / pre-stressed concrete industry time and money. Intended to make the daily process of form work easier and faster, with casttec<sup>®</sup> there's no nailing, welding or bolting that can damage the quality and life expectancy of your concrete forms. The adhesive is instant-acting and strong enough to secure weld plates, foam inserts, wood, plastic or metal reveal and chamfer to steel and resin coated casting surfaces throughout the forming, pouring and vibrating of concrete.

Casttec<sup>®</sup> provides all the strength you need with ease of clean - which means no more grinding or cleaning with solvents to remove adhesive residue from double sided tapes or silicones.



## Benefits

The casttec<sup>®</sup> system contributes to fast, efficient work that saves time and money.

- **Speed of set:** good molten tack holds inserts securely in position
- **Cost effective:** a fraction of the cost of magnets and tapes
- **Fast work:** instant bond, no need to fix or clamp bonded parts while glue sets
- **Easy clean-up:** glue begins to crystallize after 8-10 hours to allow for easy and clean removal with a scraper
- **Versatile:** bonds all common materials: metal, plastic, wood and foams
- **Bonds over form oil:** can be used before or after light oil application, the heat of the glue can burn through the oil barrier
- **Continuous work:** melt-on-demand guns mean that there's no need to wait for glue to melt
- **Doesn't melt foam:** hot melt can be sprayed on, or use a special temperature module to extrude the hot melt directly on to polystyrene foam without damage
- **Safe to work with:** solvent-free, non-flammable, no special storage, no VOC's – contributing to a safe work place, and a cleaner environment
- **No stringing:** clean glue cut-off without stringing keeps work spaces clean

## Other systems

Like magnets, bolting, welding and double-sided tape have multiple drawbacks when compared to the casttec<sup>®</sup> system:

- they can cause potential damage to the pallet or formwork
- screws and magnets need to be removed, cleaned and put back into stock, or don't work with foams and plastics
- special inserts that are compatible with screws or magnets are more costly

## Casttec<sup>®</sup> adhesive

The casttec<sup>®</sup> hot melt glue system has enough open time to allow workers to position inserts in the form. Its high molten tack holds inserts securely in place instantly, even during pouring and vibration of the concrete. After casttec<sup>®</sup> has set, it slowly crystallises and becomes brittle. This makes it easier to de-mould and clean-up, even with automated processes. Casttec<sup>®</sup> bonds on light form oil, so there is no need to remove the oil from surfaces before glue application. Surfaces should be free of dust and dirt which could prevent the adhesive from grabbing the form.

Casttec<sup>®</sup> hot melt glue works on most materials: steel, extruded and expanded polystyrene foam, wood, PVC, LDPE and most other plastics.

This eliminates the need for multiple attachment methods or expensive special inserts that are compatible with magnet systems. Unlike other adhesives, there is no build-up of residue, which causes extra cleaning time with solvents or grinders that can harm the appearance of the finished parts.



| Formulation        | Description   | Colour      | Open time    | Viscosity |
|--------------------|---|-------------|--------------|-----------|
| Casttec 42-43      | The best seller and most general purpose adhesive. Bonds a wide range of materials and recrystallises for easy clean  | Light brown | Up to 3 mins | Low       |
| Casttec Cool 45-43 | Designed to use in colder environments by offering a longer recrystallisation period. When the forms are cold in winter, Casttec Cool offers stronger bonds at lower temperatures           | Dark amber  | Up to 3 mins | Low       |
| Casttec Lite 40-43 | If your forms are fiber glass, Urethane or Epoxy coated this is the product for you. Cleans without surface damage on forms not made of steel   | Off white   | Up to 3 mins | Medium    |
| Casttec Max 43-43  | Precast adhesive for use when repeated pours are required without resetting the form. Is harder to clean up, but will reduce the amount of work resetting forms that repeat in design daily | Amber       | Up to 6 mins | Medium    |

# Tec glue guns

These advanced industrial glue guns can dispense casttec® hot melt glue at high output rates. The range includes manual and pneumatic tools that dispense dots or beads, as well as pneumatic tools that apply the glue over larger areas in a spiral "swirl" pattern.



- Tec guns melt the casttec® glue on demand: as much as needed, when it's needed
- No downtime waiting for the glue to melt - just load a glue slug and the tool will melt it on demand as the trigger is pulled
- Unrivalled mobility and major cost savings when compared to bulk melters

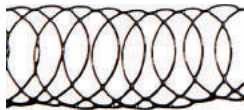


**Speedloader**  
reduces downtime



## Spray guns

- Designed to apply the glue in a spiral or 'swirl' pattern
- Won't melt styrofoam
- No airborne particles, eliminating the need for respiratory protection
- Keeps workspace clean as there's no overspray



### tec 6300

High output pneumatically assisted spray glue gun for industrial use. Gun dispenses hot melt when held at any angle, with adjustable pattern. A non-toxic adhesive spray system, it covers large area and applies hot melt to heat sensitive substrates without damage. Requires air and electric supply. Maximum 7 bar (100psi), for best results 4-6 bar (60-90psi) dependent on output requirements.

|                    |                              |
|--------------------|------------------------------|
| <b>Melt rate</b>   | 4.2kg (10lbs)/hr             |
| <b>Glue size</b>   | 43mm (1 1/4") glue cartridge |
| <b>Wattage</b>     | 500W                         |
| <b>Power cable</b> | 3m (10 ft)                   |
| <b>Weight</b>      | 1.4kg (3lbs)                 |

### tec 7300

Very high output pneumatically assisted spray glue gun for industrial use. Gun dispenses hot melt when held at any angle, with adjustable pattern. A non-toxic adhesive spray system, it covers large area and applies hot melt to heat sensitive substrates without damage. Speed loader design helps save time reloading. Requires air and electric supply. Maximum 7 bar (100psi), for best results 4-6 bar (60-90psi) dependent on output requirements.

|                    |                              |
|--------------------|------------------------------|
| <b>Melt rate</b>   | 5.25kg (11 1/2lbs)/hr        |
| <b>Glue size</b>   | 43mm (1 1/4") glue cartridge |
| <b>Wattage</b>     | 1000W                        |
| <b>Power cable</b> | 3m (10 ft)                   |
| <b>Weight</b>      | 2.3kg (5lbs)                 |

## Bead guns



The tec 3400 uses PIM (Plug in Modules) temperature controls, so it can be adjusted to apply beads of adhesive to heat sensitive substrates.

**Speedloader**  
reduces downtime

**Entry-level model**  
Works like a hot caulking gun



### tec 3400

High output, electronically controlled 43mm (1 1/4") glue gun made to withstand industrial environments. A powerful tool featuring patented ECOTEC® technology for exceptional temperature precision and eco-friendly standby operation.

|                    |                              |
|--------------------|------------------------------|
| <b>Melt rate</b>   | 3.8kg (8 1/2lbs+)/hr         |
| <b>Glue size</b>   | 43mm (1 1/4") glue cartridge |
| <b>Wattage</b>     | 400W                         |
| <b>Power cable</b> | 3m (10 ft)                   |
| <b>Weight</b>      | 1.15kg (2 1/2lbs)            |

### tec 6100

High output pneumatically assisted extrusion glue gun for industrial use. Air assisted output reduces operator fatigue. Power-on indicator light, requires air and electric supply. Maximum 7 bar (100psi), for best results set to 4-6 bar (60-90psi) dependent on output requirements.

|                    |                              |
|--------------------|------------------------------|
| <b>Melt rate</b>   | 4.1kg (9lbs)/hr              |
| <b>Glue size</b>   | 43mm (1 1/4") glue cartridge |
| <b>Wattage</b>     | 500W                         |
| <b>Power cable</b> | 3m (10 ft)                   |
| <b>Weight</b>      | 1.4kg (3lbs)                 |

### tec 7100

Very high output pneumatically assisted extrusion glue gun for industrial use. Air assisted output reduces operator fatigue. Power on indicator and speed load design helps save time reloading. Requires air and electric supply. Maximum 7 bar (100psi), for best results set to 4-6 bar (60-90psi) dependent on output requirements.

|                    |                              |
|--------------------|------------------------------|
| <b>Melt rate</b>   | 5.0 kg (11lbs)/hr            |
| <b>Glue size</b>   | 43mm (1 1/4") glue cartridge |
| <b>Wattage</b>     | 1000W                        |
| <b>Power cable</b> | 3m (10 ft)                   |
| <b>Weight</b>      | 2.3kg (5lbs)                 |

Electric only

Electric & pneumatic supply maximises output

● The tec 6000 & 7000 series guns are also available fitted with 6m or 12m long extended leads and airlines - see back page for details.

## Accessories

### Pressure Regulator



Pressure regulator, filter and water separator enables you to control the output of the glue gun and extends tool life.

Input is ¼ BSP female and output is a CE JN 320 type quick release coupling compatible with tec glue gun air fittings.

| Reference | Description   | tec 3400 | tec 6100 | tec 6300 | tec 7100 | tec 7300 |
|-----------|---|----------|----------|----------|----------|----------|
| PA6039    | Combined pressure regulator, filter and water separator | -        | ■        | ■        | ■        | ■        |

### Gun Stands



| Reference     | Description  | tec 3400 | tec 6100 | tec 6300 | tec 7100 | tec 7300 |
|---------------|--|----------|----------|----------|----------|----------|
| PA3096-SPARES | For heavy duty tools, 3000, 6000 & 7000 series (can be wall mounted, 3000 series only) | ■        | ■        | ■        | ■        | ■        |

### Extension Variants



Extension lead sets are available in 6m (20ft) and 12m (40ft) lengths for use with special 'EX' versions of tec 6100, tec 6300, tec 7100 & tec 7300 tools.

| Reference  | Description               | tec 3400 | tec 6100 | tec 6300 | tec 7100 | tec 7300 |
|------------|---------------------------|----------|----------|----------|----------|----------|
| ADD040-6M  | 6m (20ft) extension lead  | -        | ■        | ■        | ■        | ■        |
| ADD040-12M | 12m (40ft) extension lead | -        | ■        | ■        | ■        | ■        |

### Tool Box



| Reference     | Description   | tec 3400 | tec 6100 | tec 6300 | tec 7100 | tec 7300 |
|---------------|---|----------|----------|----------|----------|----------|
| ADD053-SPARES | Holds tool, extension lead, adhesive, and spare nozzles | ■        | ■        | ■        | ■        | ■        |

If you have any questions, or need any additional information on the casttec® system, just contact us using the details at the bottom of the page.



Europe's leading shaped hot melt adhesive specialist. Offering the largest range of performance adhesives and hand-held applicators.



40+ years' experience, offering specialist knowledge on all aspects of commercial gluing operations.



Advanced technology at our UK facility and a continuous programme of research and development ensures that we continue to meet the ever changing needs of industry.



Our adhesives are often formulated using raw materials harvested from sustainable managed forests. Our packaging is recyclable, and where possible, made from recycled materials.



Over 90% of our products are made in Britain, and we offer 12 months' warranty as standard on all equipment.



**Simply Precast**  
 Wenning House, Forge Lane, Halton, LA2 6RH, United Kingdom  
 T: +44 (0) 800 678 5178 M: +44 (0) 77397 99393  
 patrick.duigenan@simplyprecast.co.uk www.simplyprecast.co.uk