Power Adhesives **Technical Data Sheet**

Casttec 46

Version: Casttec 46-TDS
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General description

Casttec 46 is a high performance, extended open time adhesive that can be applied as a bead, dots or sprayed. Developed for bonding steel, wood and epoxy molds.

Casttec 46 removes easily without any surface damage to coated bed surfaces. Care should be taken to use the adhesive on form work that is free of holes or damage from nails or screws.

Substrates*

- **Wood**
- **Plastic**
- **Metal**
- **Epoxy molds**

Technical characteristics

Adhesive type: Synthetic polymer based hotmelt

Colour: Off white

Molten tack: Medium

Bulk Format: Pillows

	12mm / ½"	***15mm / ⅝"***	***43mm / 1¾"***	***Bulk***
Carton QTY	N/A	N/A	10kg / 22lb	15kg / 33lb
Suggested application temperature	N/A	N/A	180°C-195°C / 356°F-380˚F	180°C-195°C / 356°F-380˚F
Brookfield viscosity @180°C (POW-12-VISC) spindle 27	N/A	N/A	6500cps	6500cps
Ring & ball softening point (ASTM E28)	N/A	N/A	105˚C / 221˚F	105˚C / 221˚F
Heat resistance (BS5350 Part H3)	N/A	N/A	90˚C / 176˚F	90˚C / 176˚F
Open time	N/A	N/A	2 to 3 minutes	2 to 3 minutes
Brittle point	N/A	N/A	-10˚C / 50˚F	-10˚C / 50˚F

Storage

Store in a clean dry place at temperatures between 5ºC / 41°F and 30ºC / 86°F with boxes closed. Do not expose to direct sunlight or localised heat sources such as radiators or hot pipes.

Shelf life

Manufacturer guarantees 5-year shelf life after date of manufacture in accordance with suitable storage conditions as mentioned above.

Methods of application

Bead and Spray Adhesive Applicators.

Removal of adhesive

Assembled components can be separated by heating assembly to a temperature slightly above the heat resistance figure.

EVA & Polypropylene: Residues of EVA and polypropylene based hotmelts can be removed from components with white spirit.

Polyamide: Residues of polyamide based hotmelt can be removed from components with acetone

Disclaimer

The information contained on this data sheet is for guidance only. It is the result of careful laboratory evaluations by trained and qualified staff using British Standard or similar test methods. However, no warranty is expressed or implied regarding the accuracy of the data or the suitability of the adhesive for any specific purpose. In every case, we strongly recommend that the user shall make their own test to determine to their own satisfaction the suitability of the adhesive for their particular purpose. Neither the seller nor manufacturer shall be liable for any injury, loss, damage, direct or consequential arising out of the use or inability to use the product. Further information is always available to help solve your adhesive problems. Should you require any further information on our adhesives please contact your nearest distributor.

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F.D.A. approved. All the constituent parts of this adhesive have been approved by the American F.D.A. under C.F.R. 21.175.105 (adhesives) (subject to limitations).