



PRODUCT DATA SHEET FOR **JURASSTIC GLUE**

A MONSTER OF A GLUE

Application details and Health and Safety Data

Product Code: FAS0110 D4 Liquid PU, JURASSTIC GLUE

Issue Date: March 2009

1. Application & Uses

A water resistant polyurethane adhesive that forms a strong, durable, water resistant bond to most building substrates including wood materials, metals, plasterboard and plastics. The adhesive has gap filling properties and is ideal for a variety of applications both inside and out.

USES:

Bonds wood, metal, stone, concrete, glass wool, rock wool, PU foam, polystyrene foam and several plastics in both interior and exterior applications. Secures panels in sandwich constructions. Ideal for bonding window and door frames, staircases and aluminium profiles.

2. Colours & Packaging

Colours: Brown

Containers: 60ml, 115 ml, 500ml, & 1000ml Plastic bottles.

3. How to Use

PREPARATION

For optimum curing it is necessary that one of the surfaces is porous. Ensure the surfaces to be bonded are dry and free from dust, grease and any loose material. Apply at room temperature. Slightly moisten one of the substrates. Apply the adhesive onto one of the surfaces to be bonded using a spreader if necessary. Put both surfaces together immediately applying firm pressure without movement by clamping or with weight. Keep the joint under pressure for at least 8 hours.

FINISHING

Remove excess hardened adhesive by trimming with a sharp knife or sanding. It is the user's responsibility to dispose of all packaging correctly.

4. Technical Information

Base:	Polyurethane
Colour:	Brown
Viscosity (Brookfield):	Approx. 11000 mPas* @ 20°C (+/-1000 mPas)
Density:	1.01
Solids:	100%



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4. Technical Information (continued)

Application:	Roller, brush and squeeze bottle
Drying time:	Approx. 5-10 min. at ambient 20°C depending on density and moisture of substrate and amount of adhesive applied.
Water resistance:	Meets requirements of BS EN 204 D4. DIN 68602.B4.
Heat resistance:	Meets requirements of BS 476 part 6.
Storage life:	6 months from date of delivery in original packaging
Storage conditions:	+5°C to +25°C
Usage:	100 -150gsm ²
Application Temperature Range:	+5°C to +40°C

5. Limitations

Among others, not recommended for continuous water emersion.
It is the users responsibility to determine suitability.

6. Liability

Statements and recommendations made herein are based on tests believed to be reliable.
However, no guarantee of their accuracy or completeness is made.

Unless otherwise provided in written contacts, the product is sold without warranties or conditions expressed or implied.

Purchasers must conduct their own tests to determine the suitability of our product for their particular purpose.

7. Composition / Information of Ingredients

Chemical characterization : Adhesive based on diphenylmethanediisocyanate.

Hazardous ingredients $\geq 1\%$: and toxic ingredients $\geq 0,1\%$	CAS Number	Einecs Number	Weight %	Danger Symbol	Risk Phrases
Diphenylmethanediisocyanate, isomers and homologues	101-68-8	202-966-0	30-35	Xn	20-36/37 /38-42/43

8. Hazards Identification

Potential health effects : Harmful by inhalation.
Irritating to eyes, respiratory system and skin.
May cause sensitisation by inhalation and skin contact.



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9. First Aid Measures

Eyes : In case of contact flush eyes immediately with plenty of water for at least 15 minutes. Lift eyelids and rinse well underneath them. Get medical attention if irritation persists.

Mouth (ingestion) : Rinse mouth with water several times. Consult a physician and show this Safety Data Sheet.

Lungs (inhalation) : Fresh air and rest. Get medical attention if complaint persists.

Skin : Remove completely with a dry cloth or paper towel, before washing with detergent and water. Get medical attention if irritation persists.

Clothes : Remove polluted clothing.

10. Fire Fighting Measures

Suitable extinguishing media : CO₂, powder, foam and water spray.

Unsuitable extinguishing media : Unknown.

Special fire fighting procedures : Wear protective clothing and breathing apparatus.

11. Accidental Release Measures

Environmental precautions : Keep away from drains and watercourses.

Clean up procedures : Wipe, scrape or soak up in inert material and put in a container for disposal.

Personal precautions : Wear proper protective equipment as described in the 'eye and skin protection' section of section 13.

12. Handling and Storage

Handling : Handle in well-ventilated area. Avoid contact with skin, eyes and do not swallow.

Storage : Store in closed packing between 5°C and 25°C away from direct sunlight and other sources of heat.

13. Exposure Controls / Personal Protection

Occupational exposure limit : MAC difenylmethane-4,4'-diisocyanate (MDI): 0,02 ppm (short time exposure value)
0,005 ppm (long time exposure value)

Respiratory protection : Avoid breathing the vapour. Maintain good ventilation.

Eye and skin protection : Avoid contact with skin and eyes. Wear safety glasses.

Industrial hygiene : When using do not eat, drink or smoke. Wash hands after work and before breaks.

Don't rub eyes with dirty hands.

Protection

Respiratory: Masks designed to take an A2 filter for organic vapours.

Hand: Impervious gloves.

Eye: Safety glasses or goggles, (BS2902).

Skin: Apron or overalls





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14. Physical and Chemical Properties

Physical state :	high viscous	Flash point :	>200°C
Colour :	brown	Lower explosion limit :	NA vol-%
Odour :	slight	Upper explosion limit :	NA vol-%
Density (water =1) :	1,13g/ml	Ignition temperature :	>300°C
pH (water =7) :	Unknown	Vapour pressure :	Unknown mbar
Boiling point (water =100) :	>200°C	Mixable with water :	No
Freezing point (water =0) :	Unknown °C	Mixable with organic solvents :	Yes
VOC-content :	0 Weight-%		

15. Stability and Reactivity

Hazardous decomposition products : In case of fire: CO, NOx, HCN.

Materials to avoid : Alcohol, amines, acids and bases. Reacts with water to carbon dioxide.

Conditions to avoid : Unknown

16. Toxicological Information

Product information

Acute oral LD50 (mg/kg) : Unknown

Acute dermal LD50 (mg/kg) : Unknown

Acute inhalation LC50 (mg/l) : Unknown

Other information : May cause sensitisation by inhalation and skin contact.
For information on hazardous substances see 'chapter' 8.

17. Transportation Information

By sea according IMDG-Code : Not applicable.

By land according ADR : Not applicable

BY air according ICAO/IATA-DGR : Not applicable

UN-number : Not applicable

Proper shipping name : Not applicable





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18. Regulatory Information

To the labelling requirements of EC Directives 67/548/EC and 1999/45/EC:

Danger symbol : Xn Harmful

Contains : Diphenylmethanediisocyanate, isomers and homologues.

R-phrases : 20 Harmful by inhalation.

36/37/38 Irritating to eyes, respiratory system and skin.

42/43 May cause sensitisation by inhalation and skin contact.

S-phrases : 2 Keep out of reach of children.

23 Do not breath vapour.

24 Avoid contact with skin

37 Wear suitable gloves

45 In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

63 In case of accident by inhalation: remove casualty to fresh air and keep at rest.

Extra information : Contains isocyanates. See information supplied by the manufacturer.

For DIY user : Tactile warning applicable

These preparations do not carry a hazard classification according to EEC directives 88/379/EEC, 67/548/EEC and 79/831/EEC. All components of this product are listed in EINECS or ELINCS.

19. Other Information

This data is offered in good faith as typical values and not as a product specification. No warranty either expressed or implied, is hereby made.

The recommended industrial hygiene and safe handling procedures are believed to be generally applicable, each user should review the recommendations in the specific context of the intended use and determine whether they are appropriate.

This Material Safety Data Sheet follows the requirements of EEC Directive 91/155/EEC.

NA: Not Applicable

Unk: Unknown

20. Contact Information

AW Tools (Europe) Ltd
Globe Steel Works
Alma Street
Sheffield, S3 8SA

Phone: +44 (0) 114 272 4748

Fax: +44 (0) 114 272 5065

sales@awtools.co.uk

Emergency outside of office hours N/A

This technical data sheet supersedes all previous information issued regarding the above product.

www.jurasstic.com

