



# Technologies

## TECHNICAL INFORMATION ADHESIN 5866

### DESCRIPTION

**ADHESIN 5866** is a waterborne synthetic resin dispersion type adhesive designed for the woodworking/furniture industry for timber assembly work (i.e. rubbed joints, dowelling, laminating, pattern making, veneering, pressing). It features high strength, quick development of bond and non-staining of timbers. It is particularly suitable for use with soft timbers, chipboard, ordinary MDF and hardboard. Can also be used with paper and paperboard. This adhesive complies to AS2754-2, Types 4, 5 Standard.

### TYPICAL PHYSICAL PROPERTIES - APPLICATION AND HANDLING

Raw Material Base	:	Synthetic resins.
Viscosity @ 25°C	:	Medium fluid (5,500 ± 500 cps).
S.G.	:	1.07 ± 0.05.
Colour (1)	:	White.
Odour (1)	:	Slight.
Cleaning / Diluting Agent	:	Water.
pH	:	Slight acidic (4.0-5.0)
Shelf Life	:	12 months.
Minimum Temperature of Cure	:	8°C.
Applicators	:	Non-corrosive brush, squeeze bottle, syringe, roller type.
Application spread	:	150 - 200 gsm depending on condition of the timber surface.
Workshop, Timber & Adhesive Temp (Pref.)	:	15°C min.
Timber moisture content % (Pref.)	:	8 - 12.
Open assembly time (200gsm 70%RH, 20°C	:	8 - 10 mins.
Minimum pressing time (5kp/cm)	:	20 mins.

Ensure adhesive is homogeneous before use. Application from plastic, stainless steel, or chrome-plated containers is recommended. After use brushes, rollers, glue baths, and other equipment should be washed with water before the adhesive dries out. Combine and clamp before adhesive skins over (ASAP).

### CHARACTERISTICS OF CURED ADHESIVE

Appearance (1)	:	Water - clear, translucent.
Flexibility (1)	:	Minimal.
Residual Odour (1)	:	Nil.
Shear strength	:	High (2400N minimum).
(1) <i>Relative values</i>		

Henkel Australia Pty Limited  
ABN 82 001 302 996

P. O. Box 63  
Kilsyth Victoria 3137  
Australia

135-141 Canterbury Road  
Kilsyth Victoria 3137  
Australia

www.industrial-adhesives.com  
Tel: (+61) 1300 550 551  
Fax: (+61) 3 9761 7179



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## **STORAGE DIRECTIONS**

Keep containers closed when not in use. Store indoors under ambient conditions. Do not leave metal-bound brushes immersed in the adhesive overnight. Store indoors under ambient conditions.

## **PRECAUTIONS**

Refer to the Material Safety Data Sheet (MSDS) before handling the product. Follow instructions for safe handling. Application at temperatures below 10°C could result in bond failure.

## **TECHNICAL SERVICE**

Henkel Adhesives maintains a strong technical support group to investigate and advise on all adhesion matters. Please contact your local Sales Office.

## **DISCLAIMER**

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