

# VENEERING & LAMINATING SOLUTIONS



ALANSONS

BONDING SOLUTIONS FOR INDUSTRY





With over 35 years experience in the adhesives industry, Alansons have become known as a solutions provider, rather than a mere supplier of adhesive products. Nowhere is this fact better demonstrated than in the 'laminating and veneering' world, where, for approximately 25 years, we have been working actively with our customers to provide bonding solutions which satisfy today's standards in industry.

Our wide range of adhesives caters for the needs of furniture, joinery and panel board manufacturers, and also extends to satisfy stringent requirements for structural applications, and the harsh conditions of components used in external and marine environments.

Alansons' range of urea, melamine, phenol and resorcinol based resins offer cost-effective

and flexible solutions in both hot and cold bonding conditions. These products, which may exhibit properties such as high structural strength, heat resistance, or water resistance, are well suited for use in the manufacture of components and structures where high performance is required, e.g. glulam beams, fire doors etc.

# veneering and laminating solutions

## AEROLITE 306 UREA FORMALDEHYDE ADHESIVE (UF)



Aerolite 306 is a powder urea-formaldehyde resin, used with liquid hardener GBPX by separate application method.

- Gap filling
- Water resistant
- Highly resistant to moulds and fungi etc
- Meets requirements of BS1204: Parts 1 & 2 (Type MR)

## 4152 UREA FORMALDEHYDE VENEERING RESIN - POWDER HARDENER (UF)



4152, together with a powder hardener, is a medium viscosity urea formaldehyde resin system particularly suitable for flat panel laminating and veneering.

- Creep resistant
- Moisture resistant
- Various cure speeds achievable using different hardeners
- Gap filling
- Suitable for cold and hot pressing
- Meets requirements of BS 1203: Type MR and BS EN 12765: Class C3

## 4156 UREA FORMALDEHYDE VENEERING RESIN - LIQUID HARDENER (UF)



4156, together with a liquid hardener, is a urea formaldehyde resin system particularly suitable for flat panel laminating and veneering.

- Creep resistant
- Moisture resistant
- Various cure speeds achievable using different hardeners
- All day pot life
- Easier to mix than traditional liquid powder systems
- Suitable for cold and hot pressing
- Fast cure speeds
- Liquid/liquid system with a 10:1 mix ratio
- Meets requirements of BS EN 12765: Class C2

## ARO-BOND® 1020 ONE SHOT POWDER RESIN (UF)



ARO-BOND® 1020 is a pre-catalysed urea-formaldehyde powder resin, which, when mixed with water, provides a gap filling water resistant adhesive which is also unaffected by moulds and fungi.

- Easy to use—just add water
- Suitable for general joinery applications
- Long shelf life
- Gap Filling
- Water Resistant
- Can be used for veneer jointing



# BUILT TO WITHSTAND HARSHER ENVIRONMENTS

## 4050 AND 5750 PHENOL RESORCINOL ADHESIVE (PRF)



4050 is mixed with 5750 to provide a phenol resorcinol adhesive which is fully weatherproof as well as being suitable for structural applications such as wooden laminated beams. The adhesive is also suitable for fire resistant doors and is resistant to acids, weak alkalis, boiling water and solvents. Has also been used successfully for bonding Accoya.

- Fully weatherproof
- Suitable for wooden structural applications
- Suitable for applications requiring fire resistance
- Available in Fast and Medium cure speeds
- Liquid/Liquid system with a 1:1 mix ratio
- Meets requirements of EN 301 - Type 1 and BS 1203 (Type WBP)

## AERODUX 185 AND HRP 155 PHENOL RESORCINOL ADHESIVE (PRF)



Aerodux 185 is mixed with Hardener HRP155 to provide a phenol resorcinol adhesive which is fully weatherproof, gap filling and is suitable for structural applications such as wooden laminated beams. The adhesive is also suitable for fire resistant doors and is resistant to acids, weak alkalis, boiling water and solvents and performs well on many unusual and difficult to bond woods.

- Fully weatherproof
- Suitable for wooden structural applications
- Suitable for applications requiring fire resistance
- Gap filling
- Liquid/Powder system with a 5:1 mix ratio
- Meets requirements of EN 301 - Type 1 and BS 1203 (Type WBP)

## 4535 AND 5035 MELAMINE UREA ADHESIVE (MUF)



4535 is a liquid melamine-urea resin adhesive, which is used with liquid hardener 5035 in the manufacture of finger jointed and glue laminated timber structures. The glue lines are light-coloured and do not darken over time.

- Structural Bonding
- Water Proof
- Clear Glue Line
- Suitable for Finger Joint Bonding
- Suitable for Laminated Beams
- Hot and Cold Press Bonding
- Meets requirements of EN 301 and EN 302 - Type 1

## CB CONDITIONER



CB Conditioner has been developed to make cleaning of equipment which has come in contact with UF resins easier.

- Easier cleaning of equipment
- Easy to use (add water)
- Less production downtime

# COST-EFFECTIVE & FLEXIBLE SOLUTIONS



## ARO-BOND® 508 VENEERING AND LAMINATING PVA ADHESIVE (PVA)



ARO-BOND® 508 is a single pack, ready to use water resistant wood adhesive, which meets the requirements of BS EN 204 category D3. ARO-BOND® 508 gives a fast rate of bond strength development, good heat resistance and excellent adhesion on impact testing. It has been found to give good results when cured with radio frequency equipment.

- Fast build up of bond strength
- Hot press cure time - under 2 minutes
- Fast cold cure time
- Easy to apply
- Roller coatable - by hand or automatic roller
- Suitable for cure by radio frequency machines
- Meets requirements of BS EN 204 Category D3 and BS 4071 Sustained Load Resistance

## ARO-BOND® ASSEMBLY GRADE PVA ADHESIVES (PVA)



ARO-BOND® 519 is an assembly grade PVAc adhesive giving excellent all round performance for many joinery bonding applications.

- Fast build of bond strength
- Rapid cold curing (above 5 degrees)
- Easy to apply
- Can be radio frequency cured
- Meets requirements of BS EN 204 Category D3 and BS 4071 Sustained Load resistance

ARO-BOND® 514 is a D4 category PVA Adhesive exhibiting the same features as ARO-BOND® 519, but with increased performance in external conditions.

## ARO-BOND® 944 POLYURETHANE ADHESIVE (PU)



ARO-BOND® 944 is a moisture curing single part, reinforced polyurethane adhesive specifically designed for applications in the assembly, panel and laminating industries.

- Bonds a wide variety of substrates
- Fast curing
- Heat resistant
- Moisture resistant
- Gap filling

## ARO-BOND® PIGMENT SOLUTION



ARO-BOND® Pigment Solution has been developed as an additive to liquid adhesives and resins, which when cured provide bond lines that blend with the bonded substrates, substantially reducing any visual impairment to a bonded product resulting from a dissimilar coloured bond line.

Available in two shades of Brown and two shades of White.

- Water Based
- Reduces visibility of bleed through
- For use with non-solvent adhesives
- Easy to use

# SATISFYING TODAY'S INDUSTRY STANDARDS

## ARO-BOND® 680 SPRAY CONTACT ADHESIVE



ARO-BOND® 680 is a Sprayable contact adhesive demonstrating good adhesion to wood, polyurethane foam, elastomers, plastics and metals. It is primarily designed for the flat lamination and postforming of worktops, but has also proved successful in both the automotive and marine industries for bonding insulation, headlinings and bulkhead materials.

- Fast flash off and drying time
- High heat resistance
- Long open tack time
- Applied using spray equipment
- High coverage rate

## TENSORGRIP L17 HIGH PERFORMANCE CONTACT SPRAY ADHESIVE



Tensorgrip L17 is a sprayable contact adhesive designed for permanent bonding where immediate bond strength and high heat resistance are required. It is suitable for bonding HPL and fabrics to a variety of substrates including MDF, chipboard, plywood and many other timber sheet materials.

- Fast drying
- Good heat resistance
- High solids
- Portable system
- Easy application control
- Class 1 fire rating
- Meets requirements of BS 6222 bond strength approval
- Conforms to IMO A653 (16) surface flammability approval

## BAM 997 HOT MELT EDGEBOARDING ADHESIVE



BAM 997 is a high performance woodworking hot melt adhesive, giving high levels of adhesion to most commercially available edgings including PVC, HPL and solid wood lippings.

- High heat resistance
- Good low temperature performance
- Short/medium adhesive open time

## BAM FUTURA 308 HOT MELT EDGEBOARDING ADHESIVE



BAM Futura 308 represents a new concept in edgebanding hot melts where for quality woodworking operations, adhesive coat weight can be substantially reduced leading to a significant increase in meterage and no sacrifice in performance.

- Clear unfilled adhesive
- Clean and easy to handle
- Odourless and non-fume
- Very high tack
- Excellent adhesion to difficult substrates
- Medium/long adhesive open time



# UNRIVALLED TECHNICAL SUPPORT & KNOWLEDGE

## TENSORBOND ADHESIVE APPLICATOR



A 150mm wide adhesive applicator suitable for applying PVA, EVA, Polyurethane and Formaldehyde based adhesives to timber and panel board materials.

## PFOHL GLUE APPLICATORS



Pfohl Adhesive Spreaders are the benchmark in the industry for applying adhesive to panels. They are suitable for both water based adhesives and formaldehyde resins. Available in 3 different widths, 75mm, 150mm and 200mm. The range offers all that the modern veneerer and laminator requires. A full range of spare parts are available.

## TESA 7133 VENEER TAPE



A self adhesive veneer tape used for securing layons prior to curing. Faster and cleaner to apply than traditional gummed veneer tapes, with minimal residue left on veneered panel when removed.

## ARO-BOND® GUMMED VENEER TAPE



Traditional gummed veneer tape for securing veneer layons prior to curing. Used in conjunction with the veneer tape dispenser.



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