PAC SOLUTIONS
Packaging Adhesive Equipment Consultants & Solutions Pty Ltd

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Technical Data Sheet

PacBond 400 Packaging Adhesive

Revised: 05/08/23

Application.

This adhesive is supplied ready for use and is suitable for slot nozzle, high speed non-contact applications or extrusion application equipment.

Feature Points

* Excellent adhesion
* Good initial bond
* No resident fillers
* FDA Approval
* High wet tack
* Very economical
* Excellent machine tolerance

Description

PacBond 400 has been found eminently suitable for bonding PET coated board, both non-perforated and perforated, which is used in the manufacture of corrugated cartons. This system would normally involve a dual application of adhesives, a hot melt adhesive to create the initial bond of the PET coated carton and PacBond 400 to give a more secure bond than can be expected from a hot melt adhesive alone.

PacBond 400 is also designed for commercial straight-line gluing of the glue flap in corrugated carton manufacture. It gives the user the advantage of a high-quality EVA adhesive at an economical price. It is suitable for DGA units.

The main benefit of PacBond 400 over most PVA adhesives manufactured for straight line gluing is its high solids content of around 56%. A typical PVA adhesive might be around 34.3%; i.e. the solids content is 63.27% higher. It is the solids content that relates to actual costs. If the solids are 63.27% higher you should get 63.27% more production by applying proportionally less of the wet adhesive.

General Properties

Type:	Synthetic polymer emulsion adhesive
Viscosity @ 25°C:	Approx 400 cPs (Brookfield)
Solids:	50.5 – 52.5%
Specific gravity :	1.07 approx.
pH:	4.0 - 7.0
Appearance:	White liquid
Dry film appearance:	Translucent, tough and flexible
Solubility:	Dilutable with water

Special notes:

Treated surfaces assume a surface energy of more than 38 dynes/cm.
Testing needs to be carried out by the end user to determine suitability of the product. Please refer to the important additional information overleaf.

Cleaning

Apparatus and equipment should be cleaned before the adhesive dries out using PAC Solutions Gard DEV16 cold adhesive cleaner. Surfaces subject to adhesive build up can be coated with PAC Solutions Gardol for ease of future cleaning. DEV16 will also soften dried adhesive for easier removal and can also be used to flush out glue lines and applicator heads.

Storage

Do not allow the adhesive to freeze. To protect from freezing, store the adhesive at a temperature above 4°C. Store the container out of direct sunlight, preferably between 10°C and 25°C. For best results it is recommended that the adhesive be used within 6 months. Storage temperatures in excess of 38°C will cause viscosity increase and will shorten the shelf life. Keep container tightly closed. The oldest stock should be used first.

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Health and Safety
Refer to the SDS.

Remarks

1. For further information concerning handling, transport and disposal, please refer to the SDS for this product.
2. The information contained herein is based on data available to us and is believed to be reliable. Since this information may have been obtained in part from independent laboratories or other sources not under our direct supervision, no representation is made that the information is accurate, reliable, complete or representative. We make no guarantees that the health and safety precautions we have suggested will be adequate for all individuals and/or situations involving its handling and use. Our only obligation shall be to replace or pay for any material proved defective. Beyond the purchase price of the material supplied by us, we assume no liability for damages of any kind and the user accepts the product "as is" and without warranties expressed or implied. The suitability of the product for an intended use shall be solely up to the user. The user assumes all risk and liability whatsoever in connection herewith.
3. The information given in this leaflet is based on practical experience and on results of tests in the manufacturer's laboratory and does not in any way constitute any guarantee of properties. No liability may be derived either from these indications or from the recommendations made by their technical advisory service. All data shown are characteristics represented as average values.
4. Our technical data sheets are constantly revised to represent the latest state of technology. This revision replaces all previous revisions and is valid from the date shown.

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