



Zahabiya Chemical Industries

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PRODUCT DATA

Zahabiya GENERAL PURPOSE ADHESIVE

ECONOMICAL (ZGPA-700), SUPER / Zahabiya EXCEL BOND (ZGPA-7/321), SPECIAL (ZGPA-7/223)

COLOUR

Zahabiya Excel Bond GPA-7/321 & 7/223 are Milky White while ZGPA-700 is translucent in liquid state.

ODOUR

Peculiar resinous smell in liquid state. No smell in dried/cured film. (ASTM-D 1833)

CONSISTENCY

Viscous syrupy liquid, sticky to touch. Viscosity is around 9000 – 9500 cps. (ASTM-D 2507)

DENSITY

Average Weight:	ZGPA-STANDARD-700	: 1.05 kg / litre
(ASTM-D 1475)	ZGPA-SUPER-7/321 / EXCEL BOND	: 1.12 kg / litre and
	ZGPA-SPECIAL-7/223 (INSULANT)	: 1.15 kg / litre

NON-VOLATILE

ZGPA-ECONOMICAL-700: 20%, ZGPA-SUPER-7/321: 25% & ZGPA-SPECIAL-7/223: 30%. (ASTM-D 1644)

BEHAVIOUR

The dried film/ bond is fuel, oil & solvent proof, weather resistant, diluted acids/alkalis resistant, mildew & micro organisms resistant. ZGPA-7/223 is also classified as D-3 Adhesive (ASTM-D 3278).

DRYING

All grades are air drying. The thin uniform layer dries normally in 15 minutes (touch dry), bonding between surfaces/ insulations achieved within 12 hours and becomes further stronger with time unaffected by climatic changes (ASTM-D 1640).

SERVICE TEMPERATURE

Usable between 8°C to 80°C: the temperature of surface being coated.

SAFETY

Non-flammable (ASTM-D 3243), non-toxic, non-corrosive & non-rusting. “A Human Friendly/ Environmental Acceptable Product”.

APPLICATION

By brush, mechanically or through roller. For best bonding apply uniformly on both the surfaces to be united. For pasting light insulations, apply a rich coat on the substrate homogeneously.

COVERAGE

Depends on the porosity of the surface to be coated or bonded and grades used. Average consumption of Zahabiya Excel Bond GPA-7/321 or GPA-7/223 is indicated below.

<u>FOR INSULATION ATTACHMENT</u>	: 4.5	m ² /kg approximately
<u>FOR LAP SEALING</u>	: 2.75	m ² /kg approximately
<u>FOR CANVAS CLOTH WRAPPING/ COATING</u>	: 3.30	m ² /kg approximately
<u>FOR BONDING</u>	: 5.5 to 6	m ² /kg approximately

DILUENT

Avoid dilution. If necessary, dilute with little hot potable or warm water (5% by weight) mixing uniformly and thoroughly.

STORAGE

Preferably store at cool & ventilated place. Keep in the original containers air-tight when not in use. Mix well before use. Use within 18 months of manufacturing date for better results. Best storage temperature recommended is at 25 – 30°C.

IMPORTANT NOTICE: *The Information & Data contained herein are correct to the best of our knowledge, test and experience. These are presented in good faith to the users. The recommendations and suggestions mentioned are made without guarantee or representations as to the results. The Consumer should satisfy himself as to the suitability of the product for the intended purpose and use. WE ASSUME NO LIABILITY for damages of any kind and the user accepts the product 'as is' and without any other warranties, expressed or implied. Our warranty is limited to replacement of defective Zahabiya products only, provided used within shelf life.*



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PRODUCT DATA

Zahabiya GENERAL PURPOSE ADHESIVE

ECONOMICAL (ZGPA-700), SUPER / Zahabiya EXCEL BOND (ZGPA-7/321), SPECIAL (ZGPA-7/223)

Zahabiya GENERAL PURPOSE ADHESIVE, ECONOMICAL /SUPER/SPECIAL (INSULANT) is Water Based Polymerised, starch free, fast setting, Non-Cracking Coating & Bonding Adhesive in emulsion state. This adhesive finds numerous satisfactory usages in almost all the Industrial and Commercial applications; for Bonding, Fixing, Laminating, Coating, Sizing etc. covering a very wide range of substrates. This product is perfectly Safe and Non-Hazardous in handling being **Human Friendly & Environmental Acceptable**. The adhesive is Non-Flammable, Non-Toxic, Non-Corrosive & Non-Staining. Thin film/ layer of this adhesive is not visible when dried; resulting in neat & clean bonds to maintain the sanitary appearance on the applied surfaces. The dried film is Oil & Solvent Proof, Washable, Non-Cracking & Mildew/ Micro-Organisms resistant. The thicker coats on full curing (drying), after 4-5 days becomes Dilute Acids/ Alkalis Resistant. The film resistance properties and bond strength increases with the passage of time.

Technically, **ZGPA-7/321 & 7/223** are almost equivalent to each other in general properties and their end results; except the increased solids contents and extra addition of Synthetic Resins in **Special (Insulant) grade** adding further its water proofing.

ZGPA ECONOMICAL - 700

It is an economical, starch free, non-toxic glue for porous surfaces bonding resulting in neat and clean pasting. The pasted surface bond is unaffected with weather/climatic changes. Ideally and economically used for pasting paper labels on paper products, book binding, box board, cardboard, husk board, chipboard, glass bottles labelling, cellophane/gelatine paper etc.

ZGPA SUPER - 7/321 Excel Bond

The product is slightly less viscous & comparatively fast drying than SPECIAL grade, and most suitable for various porous surfaces. Usable beneficially on Wood/ Hard Board, Laminated Board (Formica), Chip Board, Card Board, Paper pasting, Cotton Cloth/Fabric, Leather, Glass etc. To be used in the supplied form, preferably. The product is Air Drying and un-affected by cold Water contact, Weather/Climatic variations possessing anti-fungal properties provided used un-diluted.

ZGPA SPECIAL 7/223 (Insulant)

This product is synthetic resins reinforced in addition to essential co-polymers and tackifiers. Specially selected and recommended for both Porous and Non-Porous surfaces. Suitable as **Multipurpose Adhesive** for Bonding, Coating, Sizing, Insulation attachment and Lamination Jobs, on a very wide range of materials including sensitive plastics, Polystyrene / Styropore (Thermopore). In **HVACR related applications**, equally good for Cementing Laps and Sizing for Canvas, Glass Cloth, Asbestos Cloth or other types of Fabric Covering over Thermal Insulations in **Centrally Air Conditioning/ Ducting**. **UNAFFECTED with Weather/Climatic changes**, resisting intermittent temperature between -10°C to 90°C. The bonds formed and dried coats remain Weather Resistant, Water Proof, Acids Alkali Resistant, Mildew resistant, Non-Cracking, Soft and Washable. This product (ZGPA- SPECIAL 7/223) is advisable in many Mechanical/ Engineering Jobs including Air Conditioning & Refrigeration Field (Appliances, Ducting, Insulation pasting) Stationary Products, Civil Construction, Wood Working Industry, Glass Fixing, Marble Stone Bonding etc. Polyurethane, Glass Wool Insulation, Styropore etc. Insulations may be very effectively and permanently bonded with this adhesive on metals, unaffected even by the relative humidity up to 90% for long spells. It also possesses anti-fungal properties provided used as-it-is.

APPLICATION:

Clean the surface before the application of adhesive. Apply evenly on the desired surface. Bond the other surface while the glue is still tacky. Leave the bonded substrate undisturbed for about 24 hours. Avoid unnecessary dilution to achieve the desired strength.

IMPORTANT:

WHILE PLACING ORDER, PLEASE CONSULT US/ DISCLOSE THE INTENDED USE TO PROVIDE BEST GUIDANCE AND SUGGEST THE MOST APPROPRIATE GRADE, THANKS!