



NATIONAL WHITE GLUE
DECORATIVE COATINGS

TECHNICAL DATA SHEET

NATIONAL WHITE GLUE

PRODUCT DESCRIPTION	National White Glue is a non-plasticized general-purpose, adhesive, based on water dilutable polyvinyl acetate homopolymer. It has excellent bonding strength and tear resistance on different substrates. It provides a very good strength and retains the bond strength for long period of time. It is basically developed for processing of wood, in furniture industry. It contains anti fungal and anti bacterial additives.
RECOMMENDED USES	National White Glue is used as a contact adhesive for variety of substrates like wood, fabrics, floor coverings, paper etc. It can also be used for lamination purpose and wood joints. At normal condition it is to be used in the form of delivery. For getting better contact, put some pressure over the surface of joints till to develop the tack resistance. It is also used for fixing National Fiber wall cover for interior decoration purpose.

TECHNICAL DATA

COLOUR, DRY FILM	Clear
FINISH, DRY FILM	Transparent
VOLUME SOLIDS (ASTM D2697)	50 ± 2%
SPECIFIC GRAVITY	1.05 ± 0.05
THEORETICAL SPREADING	16.5 – 12.5 M ² /LTR
RECOMMENDED DFT (DRY FILM)	30 – 40 Microns/Coat (Depends on the substrate)
RECOMMENDED WFT (WET FILM)	60 – 80 Microns/Coat
FLASH POINT	Water Base

DRYING TIME

Drying time @ 30°C (Temperature, humidity, air movement, film thickness and number of coats all affect the drying time.)	
TACK DEVELOPMENT	5 – 10 minutes
BOND STRENGTH	12 hours

ADVANTAGES

NATIONAL WHITE GLUE	Excellent bond strength, provides very good tensile strength and excellent tear resistance, water dilutable, ecofriendly, no odour, etc.
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APPLICATION INSTRUCTION

SURFACE PREPARATION	Before application, the surface should be sound, clean and free from oil, grease, loose particles, dust, etc. Application can be done by the recommended application methods.
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APPLICATION DATA

APPLICATION METHOD	Brush, Roller, Scraper etc.
CLEANING/THINNING	Water
THINNER (VOLUME)	Ready for use (if required 5 – 5% water)
CONV. SPRAY REQUIREMENTS	Possible
MIXING RATIO (BY VOLUME)	NA
POT LIFE @ 30°C (100 ml)	NA

SYSTEM

RECOMMENDED SYSTEM To be applied on prepared surface.	Clean and dry surface, apply National White Glue on one of the surfaces to be bonded. Keep aside for 5-10 minutes for tack development. Then press the parts together. For better bond apply a little pressure with some load or weight on the back of joint surface.
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NATIONAL/INTERNATIONAL TEST CERTIFICATES

Sr. No.	Test Description	Test Reference	Compliance
1	VOC	ISO 11890 – 2	Local Regulatory Requirements
2	Heavy Metals (Mercury, Lead, Cadmium, Chromium/ Arsenic,/ Antimony)	ISO 3856/ ISO 2590/ ISO CP-OES	Local Regulatory Requirements
3	TBT/TPT/Halogenated Hydrocarbon/Aromatic Hydrocarbon	ISO 17353/ ASTM D 4457/ ASTM D 3257	Local Regulatory Requirements
4	Formaldehyde	ASTM D 6191	Local Regulatory Requirements

ADDITIONAL DATA

SHELF LIFE @ 30°C	18 months, in original sealed container, with proper storage conditions.
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HEALTH & SAFETY

SAFETY PRECAUTIONS	Generally, most of the water base paints are quite safe to handle with due precautions. As a general rule, avoid skin and eye contact by wearing overalls, gloves, goggles, and mask etc. Spillage on skin should immediately be removed by thorough washing with water and soap or suitable cleaner. Eye should be flushed with fresh water. Avoid inhalation of vapours and paint mist by wearing suitable mask. In the event of ingestion and eye contact, seek medical attention immediately. Painting must be carried out in well-ventilated area. Local safety regulations to be followed.
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STORAGE & HANDLING

STORAGE	Store the paint in proper storage conditions as per the local regulations. Keep the paint container in sealed condition under shed, away from direct sunlight and extreme temperatures. Do not keep paint material near to any ignition sources. Do not put back the half or unused material back in original container, containing the supplied paint, to avoid contamination. Handle with care. Stir well before use.
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NOTE: We warranty only the quality of our product and this data sheet is based on results obtained from experience and tests. We reserve the right to change data without prior notice. For surface preparation, safety details refer specifier and safety data.

This data sheet supersedes all previous issued.
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