

# NEXTITE



## DESCRIPTION

Nextite Fast & Clear is a high strength epoxy adhesive that enables fast permanent repairs to many surfaces, including fibre glass, concrete, glass, metals, wood, and some plastics. The two components are easily mixed to form a clear, waterproof and chemical resistant bond which is gap filling and capable of bonding poorly mated surfaces. Suitable for interior and exterior applications.

## APPLICATIONS

Ideal for emergency repair work in and around the home such as repairing of figurines, costume jeweler, toys, broken ceramics, porcelain, bird baths and much more. It is ideal for handicraft applications and gluing of small parts where clamping is not possible.

## ADHESION

Nextite Fast & Clear bonds to metals, wood, glass, plaster, concrete, brick, granite, ceramic tiles, natural stone, rubber and some plastics such as fiberglass, poly-acrylates, poly carbonates, ABS, and hard PVC.

## NOTE

Nextite Fast & Clear when cured becomes water-proof, heat proof, stress-proof and resistant to most chemicals and is non-corrosive.

## LIMITATIONS

- Not suitable where a flexible or elastic bond is required.
- Not suitable for applications requiring heat resistance above 80°C.
- Does not bond to some plastics such as polyethylene, polypropylene or Teflon.
- Not suitable for structural applications.
- Cured adhesive may yellow if exposed to sunlight over long periods.

## SURFACE PREPARATION

Surfaces must be clean, dry and free from all loose materials, dust, dirt, oil, rust and any other contaminants. Smooth surfaces such as metals, plastics and rubbers should be lightly abraded with sandpaper and digressed with a solvent.

Glass should be cleaned with a solvent such as acetone or ethanol. Poor surface preparation may result in bond failure.

## HOW TO USE

1. Ensure that the surfaces to be bonded are scraped, cleaned and dried.
2. Take out equal quantities of Part-A and Part-B.
3. Mix thoroughly until a homogenous mixture is obtained.
4. Only mix at one time, the amount that can be used within approx. 10 to 15 minutes.
5. Apply the mixture thinly to both surfaces to be bonded.
6. Join the two parts, and hold them together for approximately 15 minutes.
7. The glued object can be handled lightly after approx. 20 minutes.  
Allow 50 minutes before rough handling or machining.  
Setting times may be slower in cold conditions.
8. Full strength is achieved after 24 hours.



## CLEANING

Fresh epoxy can be cleaned with acetone or thinners. Cured epoxy has to be removed mechanically with a sharp blade, by soaking with a commercially available paint stripper, or heated above 150°C.

## STORAGE STABILITY

Nextite Fast & Clear has a shelf life of 18 months if stored in a safe, cool (below 25°C), and dry place in its original moisture-tight container. If the material is kept beyond the recommended shelf life, it is not necessarily unusable, but a check should be performed to observe whether the product is still workable.

## PRODUCT PACKAGING

Product Characteristics	
Type	Epoxy resin
Appearance	PART-A: Clear viscous liquid PART-B: Pale Yellow liquid
Density (g/cm <sup>3</sup> )	Approximately 1.2 g/cm <sup>3</sup>
Shore Hardness D	85
Solids (%)	100
Viscosity@25°C (cps)	PART-A: 500-1500 PART-B: 14500

Typical Performance Data	
Application temperature	5°C to 30°C
Work life	Approximately 20 minutes
Initial setting time	Approximately 50 minutes
Full cure	24 hours
Elongation at break (%)	4.5
Tensile strength (N/mm <sup>2</sup> )	50
Chemical resistance	Hydrocarbons, halocarbons, ketones, alcohols, esters, aqueous salt solutions, dilute acids and bases.
Temperature resistance	Approximately -20°C to 80°C
Water resistance	Waterproof

## SAFETY PRECAUTIONS

- ◆ Do not swallow
- ◆ Keep out of reach of children
- ◆ In case of an accident seek Doctor's advice
- ◆ Avoid contact with the eyes and skin
- ◆ Wear suitable protective coverings while mixing and using
- ◆ Avoid release to the environment

## DISCLAIMER

The above information is only offered as a guide to the use of this product. Furthermore, users should satisfy themselves that it is suitable for their needs. Since we have no control over the conditions under which it is used, we cannot accept responsibility for the problems caused by the use and/or application of this product.

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