



BONDITITE SUPER STRENGTH

Bondtite super strength high strength two component epoxy adhesive systems. These systems are tailor made where extremely high bond strength is required for various similar and dissimilar materials such as metals, ceramics wood, leather, rubber, marble, glass etc. Bondtite remains unaffected to mild alkalis and acids etc; it is non toxic and insulating.

Applications

Automobiles for fixing electro magnet to flywheels, bonding brake lining to shoes, plugging holes in cylinder blocks, fixing head light reflector and glass to rim , bonding metal part to miniature bulbs, for linear placement in engine, for insulating high speed motors and fixing wipers on car.

Electrical and electronics:

Sealing of oil filled transformer cases, fixing of magnet to metal pieces, in watt hour meter, fixing aluminium cap to glass shell, in night bulb manufacturing, bonding of cooling coils to freezers, in refrigerator, making of PCB, fixing diaphragms and magnet to the base of speaker.

Appliances:

Fixing name plates, bonding steel body to grinding stone in wet grinder, for assembly of mixers, washing machines, gas stoves, for fixing loose handle of tools, fixing of drains, hoses & sealing of tank joints in washing machines.

Miscellaneous:

For joining of marbles, wash basin pieces and repairing of chipped sanitary ware, to bond concrete chips at the back of the polished granite tiles, to seal cracks in walls, for assembly of bath fitting and gate valves, as an adhesive in bangles and brassware handicrafts & in manufacturing of sports goods like tennis racket, polo stick, shuttle cock, hockey sticks etc.

How to use:

Surfaces must be clean, dry and free from oil, wax and paint. Roughen smooth surfaces for better adhesion by sandblasting or sanding with emery cloth. Wash

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Version No. 01

Date: 01.10.16

glass and ceramic surfaces with soap and water then rinse and let dry. Pre-fit parts to be joined. Squeeze equal volume of material from both part-A & part-B. Mix resin and hardener for one minute thoroughly and then apply as per requirement. Fully cured in 24 hours.

Restriction of usage:

Does not bond to polyethylene or polypropylene plastics.

Applications requiring short-term heat exposure of greater than 150°C

Continuously wet areas or water immersion

Potable water systems

DO NOT USE ON AREAS THAT WILL COME IN CONTACT WITH FOOD RELATED ITEMS.

Technical details

PROPERTIES	STANDARD	RESULTS
PART-A		
Physical State		Viscous liquid
Appearance		Semi transparent
Color		Milky white
Epoxy Equivalent Weight	ASTM D-1652-11	210-230
Viscosity @25°C	ASTM D2196-05	45000-55000 cps
PART-B		
Physical State		Viscous liquid
Appearance		Transparent
Color		Pale yellow
Amine value	IS 9162-1979	290-320
Viscosity @25°C	ASTM D2196-05	35000-45000 cps
Curing Properties		
Mixing ratio (R:H)		100:80 (By weight), 100:100 (By Volume)
Potlife @ 25°C	ASTM D 2471	50-60 min
Shore-D-Hardness	ASTM D 2240	75-80
Tensile strength	ASTM D 1002-10	100-120 kg/cm ²

Operating temperature : -30°C to 90°C

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Shelf Life	:	3 years from date of mfd. (Storage Temp 2-40°C)
Hazardous decomposition products	:	Oxides of carbon; aldehydes, acids and other organic substances may be formed during combustion or elevated temperature (>500° F) degradation.
Disposal	:	Regular procedures approved by local authorities

Storage

Product should be stored in a dry place in their original, properly closed containers at temperature between 2 - 40°C. Partially emptied container should be closed immediately.

Handling precautions

Mandatory and recommended industrial hygiene procedures should be followed whenever our products are being handled and processed. For additional information please consult the corresponding product data sheets and the brochure "Hygienic precautions for handling plastics products".

Packing

3 gm, 7 gm, 13 gm, 36 gm, 60 gm, 90 gm, 180 gm, 270 gm, 450 gm set, 900 gm set, 1.8 kg set, 3.6 kg set & 9 kg set



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