

EPOXY PASTE ADHESIVE SIG200

KEYPROPERTIES:

- Good properties and flexibility
- Proper for composites bonding
- High shear adhesive and good drum peel strength
- Good sanding and low shirinkage

Preamble

SIG200 is a two part structural epoxy paste adhesive systems that contain of nonmetallic and inorganic fillers. This product is excellent for bonding of metals together and metals to composites.this is proper for chemical area and salt area. SIG200 is a two component, room temperature curing paste adhesive giving a resilient bond. It is thixotropic and is particularly suitable for GRP bonding . Widely used by aircraft , machines manufactures and machining details for contours area. overemphasized use to fill of edges , cutout and face surface that required to reinforce of area to prepare proper surface and compression load. This is resistente to chemical , oil materials.

Physical properties

properties	SIG200A	SIG200B	MIXED
COLOUR	Gray light	Yellow light	Yellow light
SPECIFIC GRAVITY	1.32	1.28	1.3
VISCOSITY(Pas)	-	-	thixotropic

TYPICAL PROPERTIES:

Total solids :100 percent

color: light yellow

Full properties: after curing
Chemical resistant

Application temperatures: +5c to +35c

Service temperature :-50c to +108c intermittent without load

Boiling Point(F): 225 F , Vapor Pressure(mm/Hg): Nil

Solubility in water: Negligible

Flashpoint:(test method): 190F(PMCC)

Evaporation Rate(BUAC:1)

Extingulshing Media: Water Spray, Foam, Co2, dry chemical

MIX RATIO	PARTS BY WEIGHT	PARTS BY VOLUME
SIG200A	100	100
SIG200B	100	100

PRODUCT DESCRIPTION:

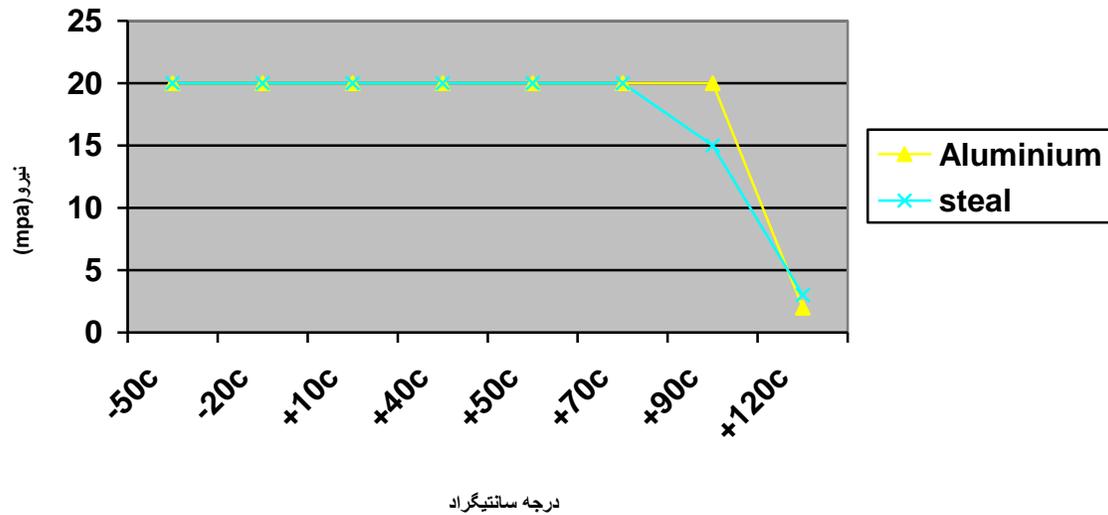
Sig200 is good flexible epoxy compound that is excellent for bonding of metals and plastics in chemical surrounds.this is proper for bonding composites material to composites(GRP).

CHEMICAL PROPERTIES:

Properties	Resin	Hardner	Mixed
Oil resistant	-	-	well
Fuel resistant	-	-	good
Salt water	-	-	well
Chemical surround	-	-	well
Thermal Conductivity(ASTM D- 2214)			4×10^{-4} calcm/seccm)
Pot life			35 min
Shelf Life			18 mounths

MECHANICAL PROPERTIES:

Properties	Resin	Hardner	Mixed
Shear strength(N/mm2)	-	-	22
Compression strength N/mm2(ASTM D 695M)			156
Peel strength (N/mm2)			good



APPLICATION METHOD

The strength and durability of a bonded joint are dependent on proper treatment of the surfaces to be bonded. At the very least, joint surfaces should be cleaned with a good degreasing agent such as acetone, or alcohol or other proprietary degreasing agents in order to remove all traces of oil.

Low grade alcohol, gasoline or paint thinners should never be used.

The strongest and most durable joints are obtained by either mechanically abrading or chemically etching .

the degreased surfaces. Abrading should be followed by a second degreasing treatment.

HEALTH AND SAFETY:

As long as normal good practice is observed SIG200 can be safely used.

Protective gloves should be worn.

A fully detailed Material safety data sheet is either included with the material or is available on request.

NOTICE:

Use protective gloves when working with this product. Use soap and water or white vinegar to clean off your hands > use denatured alcohol to clean off your tools.

PACKAGING:

Supplied in 2 kg packs