



سپاهان پلیمر فام

## Sepahan Polymer Fam

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### ADHESIVE HPA-90 (HIGH PEEL STRENGTH ADHESIVE)

HPA-90 is a two part epoxy basic systems containing nonmetallic,

In organic fillers this product is excellent for filling of cavity. one to one mix ratio, creamy consistency, no electrolytic corrosion, and great adhesion combine to make this product high in performance and easy to use.

HPA-90 use to splice of parts together that required to reinforce of area to compression load and use to bonding total surface.

#### Technical Specifications:

- Total solids: 98 percent
- Pot life at 77 deg Rece F:30 minutes
- Band sand after 24 hours
- Storage life: 24 months
- High peel strength
- Full properties after 24 hr
- High shear strength



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### PRODUCT DESCRIPTION:

HPA-90 epoxy adhesive is excellent for compression strength and vibration load and osmosis repaires. It is easy to sand to work..

### Notice:

Use protective gloves when working with this product. Use soup and water or whire vinegar to clean off your hand>use denatured aicohol to clean off your tools.



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### Typical properties of cured material:

Physical properties	Typical value
Hardness, shore D	98
Shrincage on cure %	0.2
Adhesive strength (ASTM D1002) N/mm2	68
Steel	72
Aluminium	
Tensile strength (ASTM D638) N/mm2	530
Compression strength (ASTM D695) N/mm2	380
Lap shear strength (ASTM D1002) N/mm2	48
Peel strength (PLI)	38



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### Physical properties:

Composition	Resin	Hardned	Mixed
Colour	Gray	Light yellow	Gray
Viscosity at 25C (pa.s)	1300	950	1100
Density g/cm3	1.11	1.18	1.09
Mix ratio	100	100	---
Service temprature	---	---	-50c to +120c



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### Direction for use:

for best performance surface for repair should be clean, dry and free of (۱) grease.

Stir each component of resin and hardner separately, then measure out (۲) equal amount of each.

The item to be bonded must be free of all drit, oil, or other foreing (۳) matter, sclean, dry surface is amount.

Apply the product to the working area with the spatula provided. (۴)

Keep the assembled part from moving during cure. The joint should be (۵) allowed to develop full strength before subjecting to any service load.