

Permabond Retaining Anaerobics

Anaerobic Retainers

For permanent bonding / retaining and coaxial joints

Why?

- a) Lower cost than interference fits
- b) Better fatigue life
- c) Faster assembly and less machining
- d) High-strength

Which anaerobic adhesive should I use?

I have large diameter components which are loose fitting
Use [high-viscosity Permabond A134](#)

I need a really rapid cure and high strength
Use [Permabond HM162](#) or [A1046](#)

I need to repair a worn / spun bearing
Use [metal repair HH167](#)

I am bonding dissimilar metals - steel to copper and am worried about differential thermal expansion
Use [toughened, flexible Permabond F201](#)

I need an anaerobic retainer that is resistant to temperatures over 230°C...
Use [Permabond HM165](#)



How should I use the product?

Permabond Anaerobics are very easy to use. They are single part so no mixing is required.

Apply bead circumferentially to (preferably) female component. Assemble with rotating action.

For larger components use products with higher viscosity to prevent run off.

Take care to ensure adhesive does not enter mechanisms such as bearing races.

Allow adhesive to cure, undisturbed, to working strength before loading the joint.

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Engineering Adhesives

Where to sell retaining adhesives

Where to sell to:

- Directly to automotive component manufacturers
- To automotive component wholesalers / maintenance and repair
- Automotive aftermarket
- To engineering materials suppliers
- To bearing suppliers
- Sports equipment manufacturers
- To boat / yachtbuilders
- Machinery manufactureres
- Refrigerator manufacturers
- Textile combing equipment

Applications:

Automotive Engine:

- Retain cylinder liners (HM162)
- Lock main bearing cap nuts (A118)
- Retain valve guides (HM162)
- Seal spark plug inserts (HM162)
- Lock / seal cylinder head studs (A118)
- Retain hub, bush and seal in the fan drive (HM162)
- Lock studs in timing cover (A118)
- Seal water pipe flanges (HM162)
- Seal flywheel housing to crank case (A1046)

Bearings

- Bonding bushes to bearings / bearing housings (A1046)

Refrigeration

- A1046 has excellent chemical resistance to searching refrigerant gases

Textile combing equipment

- Bonding carbon pins into aluminium lags for wool or textile combing equipment (A1046)

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