

# Customized Sealant Solutions

## PRC® Seal Caps



### What are PRC® Seal Caps?

PRC® Seal Caps are preformed and molded caps made from any PRC® or Pro-Seal™ brand sealant including standard polysulfide or Permapol® polythioether materials. They are formed and then cured to a flexible rubber shell, and then filled with additional sealant to be used for dome-sealing of fasteners.

### Why PRC® Seal Caps

#### Faster

- Decreased application time and elimination of tooling.
- Use of filled and frozen caps eliminates mixing of cartridges and cap filling.
- Designed to fit specifically to each fastener.

#### Cleaner

- No wet sealant application or tooling.
- Eliminates Foreign Object Damage (FOD).
- Eliminates empty cartridges when Pre-Mixed and Frozen (PMF) caps are used.
- Requires less solvent for clean up.

#### Easier

- Custom sizes available.
- Use only what is needed.

### PRC® Seal Cap Technology

PRC® Seal Caps are formed using aerospace sealant already qualified to appropriate specification. PRC® Seal Caps can be made from either polysulfide or Permapol® polythioether B grade materials. PRC® Seal Caps provide significant improvements in quality, efficiency and ergonomics versus traditional sealing methods. PRC® Seal Caps can be ordered already filled with Pre-Mixed and Frozen sealant or as empty caps to be filled at the application station.

### Available Standard Sizes

PPG Aerospace offers numerous standard sizes that fit most applications and the ability to custom design a seal cap to meet your specific need. For a complete list of sizes and PRC® Seal Cap drawings, please contact your local Application Support Center (ASC).

### Typical Applications

Typical applications for PRC® Seal Caps may include the sealing of rivet heads or fasteners.

### Storage Life

The storage life of Pre-Mixed and Frozen PRC® Seal Caps is 30 days at -40°F (-40°C) for polysulfide caps and at -80°F (-62.23°C) for polythioether caps.

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## Application Steps

PRC® Seal Caps are provided in easy-to-handle trays. If filled with Pre-Mixed and Frozen sealant, remove seal caps from the freezer. Place trays on bench at 70°F to 80°F (21.11°C to 26.67°C) and thaw for 15 to 30 minutes.

**IMPORTANT:** Leave tray assembly together during thaw to prevent condensation being deposited on the PRC® Seal Caps. Once thaw is complete, gently remove the tray from the aluminized lid. To remove PRC® Seal Cap, lightly pinch the cap and slide off the foil lid, using a slight “flicking” motion.

**IMPORTANT:** Do not lift cap straight up, as this will leave the wet sealant on the aluminized lid. Apply PRC® Seal Cap to properly cleaned and prepared fastener. Use slight downward pressure while turning cap one half rotation. Once cap is fully seated, you should inspect that complete squeeze out of wet sealant is observed around the bottom of the caps perimeter. This indicates a proper seal.

## Health Precautions

These products are safe to use and apply when recommended precautions are followed. Before using these products, read and understand the Material Safety Data Sheet (MSDS), which provides information on health, physical and environmental hazards, handling precautions and first aid recommendations. An MSDS is available on request. Avoid overexposure. Obtain medical care in case of extreme overexposure.

**For industrial use only. Keep away from children.**

**Additional information can be found at  
[www.ppgaerospace.com](http://www.ppgaerospace.com).**

**For sales and ordering information call  
1-800-AEROMIX (237-6649).**

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