

Surface Preparation and Emergency Repair

Preparation, Protection and Repair



Why Use a LOCTITE activator or primer?

Henkel offers a complete range of activators and primers providing solutions for the following LOCTITE adhesive technologies:

1. LOCTITE activators / primers for instant bonding (cyanoacrylates)

LOCTITE primers are used for improving adhesion to substrates. They are applied before the adhesive. For low surface energy plastic substrates, e.g. polyolefin, PP, PE, best adhesion will be achieved with LOCTITE 770 / 7701.

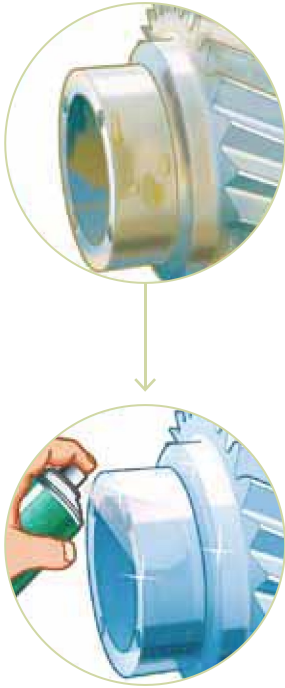
LOCTITE activators are used to increase cure speed. Loctite activators are mostly applied before the adhesive. Heptane-based activators have good “on-part life” and provide for a good aesthetic appearance of the bondline. They are also suitable for use on plastics which are sensitive to stress cracking. Activators can also be applied after the adhesive, e.g. for curing residual adhesive. They provide for an excellent cosmetic appearance by avoiding white staining of instant adhesives.

2. LOCTITE activators for modified acrylics

LOCTITE activators for modified acrylics are needed to initiate the curing process. Usually, the activator is applied to one surface and the modified acrylic to the other surface. The curing process starts when the two parts are assembled. Fixture time is dependent on the adhesive, on the substrate and on the cleanliness of the surfaces.

3. LOCTITE activators for threadlocking, pipe and thread Sealing, gasketing, retaining and anaerobic acrylics

LOCTITE activators for this group of adhesives are used to increase the cure speed of the products. They are recommended for applications on passive metals such as stainless steel, plated or passivated surfaces. Activators are available as solvent-based or solvent-free formulations.



Why use a LOCTITE surface preparation product?

The LOCTITE portfolio of surface preparation products offers solutions for all types of surface treatments or preparations. All products are easy to use and thus ideal for maintenance and line production.

1. Protection of Welding Equipment

Protect shroud and contact tip from welding spatter and ensure uninterrupted welding for a complete shift.

2. Belt Dressing

Prevent slippage and increase friction for all types of belts.

3. Rust Treatment

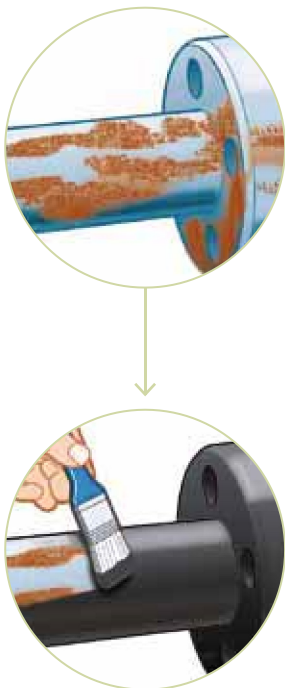
Conversion of rust into a stable base – treated surface can be overpainted.

4. Corrosion Protection

Protect surfaces against corrosion – drying and non-drying product available.

5. Tamper Proofing

Visually detect movements in adjusted parts.



Why use a LOCTITE emergency repair product?

Whatever your working environment, unpredictable and emergency situations can happen and in most of the cases need to be sorted out within a very short timeframe. Our range of emergency repair products helps you to avoid unnecessary downtime and costs. All of them are easy to apply, enabling you to deal with emergencies quickly. More than this, some will also help you to increase the reliability of your industrial equipment.

1. O-Ring Replacement

O-rings can be made as and when required, avoiding the need to stock.

2. Freeing of Corroded Parts

Releasing rusted, corroded and seized components using the shock freeze effect.

3. Detection of Pipe Leaks

Easy-to-apply system for location of small leaks in iron, copper and plastic pipes.

4. Sealing of Leaks

For emergency sealing of tanks, pipes and castings without the need to replace components.

5. Taping

For immediate fixing and protection of various materials.

Emergency Repair

Product Table

What is your application?

Solution

Free corroded parts

LOCTITE LB 8040



Leak detector

LOCTITE SF 7100



O-ring replacement

LOCTITE O-RING KIT



Colour

Amber

Colourless

–

Base

Mineral Oil

Mixture of surfactants

–

Viscosity cup 4

5 mPa·s

10 mPa·s

–

Service temperature range

–

+10°C to +50°C

–

Pack sizes

400ml aerosol

400ml aerosol

Set containing 20g LOCTITE 406 and tools

LOCTITE LB 8040

- Shock freezing (-40°C)
- Releases rusted, corroded and seized components
- Wicks directly into the rust by capillary action
- Released parts remain lubricated and protected from corrosion

LOCTITE SF 7100

- Produces bubbles at leakages
- For all gases and gas mixtures except oxygen
- Non toxic / non flammable
- Suitable for iron, copper and plastic pipework

LOCTITE O-RING KIT

- Replacement of stationary O-rings
- Eliminates the need for an inventory of different sized O-rings
- Water and oil resistant

Seal pipe leaks

Taping

**LOCTITE
EA 3463**

Grey

Epoxy

-

-30°C to +120°C

114g

LOCTITE EA 3463

- Steel filled kneadable stick
- Ideal for emergency sealing of tanks and pipes

**LOCTITE
PC 5070**

-

Epoxy, GRP

-

-

Set containing LOCTITE EA 3463 and GRP tape

LOCTITE PC 5070

- Easy to use repair kit for temporary repair of weak areas on pipes

**LOCTITE
SI 5075**

Red, black

Silicone

-

-54°C to +260°C

2.5 cm x 4.27 m

LOCTITE SI 5075

- Non sticky, self fusing multi purpose wrap
- Resistant to salt water, fuels and acids
- Stretches to three times its length
- Seals instantly
- Tensile shear strength 50kg/cm²
- UV resistant
- Dielectric strength up to 400 volts per mil

**TEROSON
VR 5080**

Silver

-

-

up to +70°C

25m

TEROSON VR 5080

- Fabric reinforced tape
- Easy to tear by hand
- Repair, reinforce, fix, seal and protect