



RELTEK LLC

adhesives, sealants & coatings for harsh environments

BONDIT™ A-37

Bonding Agent, Primer and Adhesive

**Powerful
reactant**

Promotes chemical reactions with polymers previously considered non-reactive, and bonding with many dissimilar polymers: silicone, polyolifins, UHMW PE, PEI.

**Bonding agent
and additive**

A primer coating on metals, glass and ceramics and dissimilar polymers for adhesion of thermoplastics, thermoset, and rubbers, particularly for silicone rubber.

**Moisture
resistant**

Creates polymer and adhesive bonds that are highly moisture and corrosion resistant. Outstanding performance in high pH environments. Operational temperatures 200 °C. Nearly optically clear coating.

**Harsh
environments**

Marine,
Industrial,
Downhole oil,
Underwater,
Mining,
Automotive,
Medical.





BONDIT™ A-37

Description

BONDIT™ A-37 is a high performance, high temperature moisture resistant, primer, adhesive, adhesion promoter and additive used with metals, glass & ceramics, elastomers and polymers. **BONDIT™ A-37** offers a wide range of capabilities for promoting moisture resistance chemical bonding between minerals and polymers, as well as dissimilar polymers. It is used as a primer coat and additive for other **BONDIT™** coatings and encapsulants. **BONDIT™** In particular A-37 may be used as a primer to promote adhesion to silicone rubber and for vulcanizing silicone rubber to many substrates.

Curing Guide

A wide range of curing regimes may be employed. Typical cure is 150°C (302°F) for 5 minutes. As an adhesive for bonding silicone rubber apply liberally to the substrate, allow to dry 15 minutes; jig the silicone rubber component to maintain intimate contact with the primer, then heat for 1 hour at 200 deg F. For vulcanizing silicone rubber to a substrate, apply liberally to substrate and allow to dry for 15 to 30 minutes; then vulcanize silicone to the primed surface. For some substrates the first coat may be absorbed somewhat; in such case apply a second coat before vulcanization. May be brushed, sprayed, or poured. Wetting qualities are superior, even on non-polar surfaces.

Storage

The usable shelf life of unopened containers of **BONDIT™ A-37** resin is one year, and should be stored in cool, dry place. When not in use, containers should be kept tightly closed. **BONDIT™ A-37** is available in syringes and cartridge, bulk container, and custom packaging.

Typical Properties

Property	Value
Viscosity @ 25°C, ASTM D445	4.5-8.5
Specific gravity, ASTM D1298	1.018-1.038
Refractive index, ASTM D1218	1.4420-1.4480
Color	Clear with stray color

Information

For further information, engineering support and sales service, contact the **RELTEK** sales office.