



**RELTEK** LLC

*adhesives, sealants & coatings for harsh environments*

# **BONDIT™ A-3**

**Bonding Agent, Primer and Adhesive**

**Powerful  
reactant**

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

**Bonding agent  
and additive**

A primer coating on metals, glass and ceramics for adhesion of thermoplastics, thermoset, rubbers and urethanes.

**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-3**

## Description

**BONDIT™ A-3** is a high performance, high temperature moisture resistant, primer, adhesive, adhesion promoter and additive used with metals, glass & ceramics, elastomers and polymers. **BONDIT™ A-3** 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™ A-3** may be used as an additive to other coatings, fiber fills, and adhesives to promote superior improvement in performance in harsh environments.

## Curing Guide

A wide range of curing regimes may be employed. Typical cure is 150°C (302°F) for 5 minutes. In some cases ambient cure may be used. 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-3** resin is one year, and should be stored in cool, dry place. When not in use, containers should be kept tightly closed. **BONDIT™ A-3** is available in syringes and cartridge, bulk container, and custom packaging.

## Typical Properties

<b>Property</b>	<b>Value</b>
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

## Application Notes

**BONDIT™ A-3** is very effective in promoting reactions with materials such as polyolefins including non-polar and cross linked polyethylenes, urethanes, fluoropolymers, epoxies, silicone rubber. Diverse adhesive combinations of dissimilar materials with significant environmental resistance are obtained when used with other **BONDIT™** products.

## Information

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