



**RELTEK** LLC

adhesives, sealants & coatings for harsh environments

# **BONDIT™ A-53**

**Bonding Agent, Primer and Adhesive**

## **Bonding agent**

A broad based adhesion promoter and primer that will not poison cationic cure systems, particularly UV and EB cure systems. Suitable for bonding between many dissimilar polymers with a wide range of adhesives types. Good adhesion to substrates of epoxy, polyester, urethane and many thermoplastics, thermosets, siliceous surfaces like glass and ceramic, as well as most metals.

## **Primer for coatings**

A one-part, one coat, thin film, rapid ambient or thermal cure primer on metals, glass, ceramics and plastics for coatings of epoxy, urethane, acrylic, vinyl, alkyd, polyester, butyl and phenolic.

## **Versatile production application**

Excellent high and low temperature performance, long work-life on cured prime coat.  
Dip, spray, brush, and roll application.

## **Harsh environments**

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





**BONDIT™** A-53

## Description

**BONDIT™** A-53 is a high performance, high and low temperature one-part primer, adhesion promoter and adhesive for metals, glass & ceramics, thermoplastics and thermoset polymers.

**BONDIT™** A-53 offers a wide range of capabilities for promoting single coat chemical bonding between minerals and polymers, as well as dissimilar polymers. It is used as a primer coat for other **BONDIT™** coatings and encapsulants.

## Curing Guide

A wide range of curing regimes may be employed. Typical cure is ambient 30 to 60 minutes, or 75°C for 15 minutes, or 150°C (302°F) for 5 minutes. 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-53 resin is one year, and should be stored in cool, dry place. When not in use, containers should be kept tightly closed after purging with dry nitrogen (optional). **BONDIT™** A-53 is available in syringes, cans, bulk container, and custom packaging.

## Typical Properties

Property	Value
Viscosity @ 25°C, ASTM D445	4.5-8.5 cps
Specific gravity, ASTM D1298	1.018-1.038
Color	Clear water-white

## Application Notes

**BONDIT™** A-53 is very effective in promoting reactions with polar and non-polar coatings and substrates, acrylic, alkyd, epoxy, vinyl, polyester, phenolic, butyl and urethane. Diverse adhesive combinations of dissimilar materials with significant environmental resistance are obtained when used with other **BONDIT™** products. Particularly useful for cationic cure coatings, encapsulants and adhesives such as UV and EB systems.

## Information

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