RELTEK LLC
adhesives, sealants & coatings for harsh environments

# BONDiT™ A-43

## Bonding Agent, Primer and Adhesive

**Bonding agent**

Promotes adhesion with previously considered non-reactive polymers, and bonding between many dissimilar polymers with, and without adhesives. Good adhesion to polyethylene, polypropylene, epoxy, esters, urethanes, fluoropolymers, silicone, rubbers, glass, ceramic and metals.

**Primer for molding**

A one part, one coat, thin film, ambient or thermal cure primer on metals, glass, ceramics and plastics for adhesion of thermoplastics, thermoset, rubbers and urethane molding.

**Versatile production application**

Excellent high and low temperature performance, Unlimited selflife on cured coating. Dip, spray, brush, and roll application

**Harsh environments**

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

## Description

***BONDiT™*** A-43 is a high performance, high and low temperature one-part primer, adhesive, adhesion promoter for metals, glass & ceramics, elastomers and polymers. ***BONDiT™*** A-43 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-43 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. ***BONDiT™*** A-43 is available in syringes cans, 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 |

## Application Notes

***BONDiT™*** A-43 is very effective in promoting reactions with materials such as polyolefins including non-polar and cross linked polyethylenes, urethanes, floropolymers, 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.

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