

# Technical Data Sheet

## 95-1000A THERMOSETTING IMPREGNATION SEALANT

### Product Description

Godfrey & Wing's 95-1000A is a thermal curing impregnation sealant designed to seal porosity in cast and powdered metal components. 95-1000A is easily washed from the surface of components and is completely removed by city or de-ionized water. Once polymerized the hardened resins exhibit superior chemical resistance and elevated temperature stability.

Components may be tested or assembled immediately after impregnation as 95-1000A cures in the presence of heat (thermal transfer), to form a durable thermoset polymer.

### Product Certification

MIL-I-17563 Rev. C – Class 1 and 3

### Typical Applications

95-1000A is the most widely used impregnation sealant in North America and Asia. Inherently stable and easy to maintain, 95-1000A can be found in nearly every field of use – from the most demanding aerospace applications to automotive powertrains to mission critical defense and aviation components. Proven through years of use in challenging field conditions, 95-1000A continues to build upon its long list of applications and approvals.

Typical Properties (Uncured)	Value
Chemical Type	Methacrylate blend
Appearance	Amber fluorescent liquid
Viscosity	21.5 cps or mPa.s @ 22 °C (72 °F)
Density	1.063 gms/cc @ 22 °C (72 °F)
Surface Tension	34.5 dynes/cm or mN/m
Flash Point	>200 °F (>93 °C)
Vapor Pressure	<1mm Hg

Typical Properties (Cured)	Value
Hardness, Shore D	65
Density	1.22 gms/cc @ 22 °C (72 °F)
Coefficient of Thermal Expansion	3.2 x 10 <sup>-4</sup> in/in/ °C
Compressive Strength	3759 psi
Compressive Modulus	6265 psi
Operating Temperature °C (°F)	-46 °C to 205 °C (-51 °F to 401 °F)



Godfrey & Wing Inc.

www.GodfreyWing.com  
1.800.241.2579

continued  
TDS-95-1000A-32514

## Technical Data Sheet

### 95-1000A THERMOSETTING IMPREGNATION SEALANT

#### Chemical/Solvent Resistance

95-1000A has passed all requirements of MIL-I-17563 Rev. C and also exhibits excellent resistance to a wide range of acids, caustics, hydrocarbons and solvents. Please contact your Godfrey & Wing Sales Engineer for specific chemical or solvent compatibility.

#### General Information

This product is not recommended for use in pure oxygen and/or oxygen rich systems. For safe handling information on this product, consult the Material Safety Data Sheet (MSDS).

#### Disposal of Waste

Any effluent generated from the rinse waters in the impregnation process may, in general, be disposed of in accordance with the municipal waste water regulations or treated within existing in-plant WWT facilities. Since both the circumstances of use and local waste disposal requirements vary, consult your Godfrey & Wing Sales Engineer for recommendations.

#### Storage

95-1000A should be stored in a cool, dry location out of direct sunlight at a temperature between 40°F to 80°F (4°C to 27°C) unless otherwise labeled.

Initiated 95-1000A in an impregnation system has unlimited pot life if recommended procedures are followed, including control of sealant temperature.

#### Impregnation Equipment & Sealants

Godfrey & Wing designs and manufactures a complete line of innovative vacuum impregnation equipment and sealants. All impregnation systems are engineered to maximize productivity, economize sealant usage and conserve resources. The impregnation sealants are field-tested and proven over decades of use. We support our sealant and equipment with a global network of factory-trained technicians and process engineers, enabling our customers to optimize their impregnation equipment, sealants and processes.

*For more information, contact Godfrey & Wing at 1-800-241-2579 or visit [www.godfreywing.com](http://www.godfreywing.com)*

This information is based on data which Godfrey & Wing believes to be reliable and accurate. It remains the responsibility of the operator to ensure that any and all environmental, mechanical, safety and other factors are considered in a specific application when establishing its own practices and procedures. Godfrey & Wing shall not be liable for any damage, loss, or injury, direct or consequential, arising out of the use of products supplied by Godfrey & Wing or the implementation of any recommendation contained herein.



Godfrey & Wing Inc.

[www.GodfreyWing.com](http://www.GodfreyWing.com)  
1.800.241.2579

TDS-95-1000A-32514