

WARNING/SAFETY

WARNING

This catalog is intended to provide general guidance and to assist in making the proper hose selection for an application. While the information in this catalog is believed to be accurate, it is based on specific laboratory tests performed under controlled conditions, calculations and assumptions, and not actual field conditions or applications. As such, it does not represent a guarantee with respect to characteristics or performance of the product in any given application or use. Thermoid hose products are intended for selection and use by trained and skilled purchasers and users. The purchaser or user is obligated to determine the suitability of hose for the specific application or use, and to ascertain that intellectual property rights of third parties are not violated.

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This catalog contains important information regarding the Thermoid hose products, including information on the following topics:

- Welding Hose
- Chemical Hose and Chemical Resistance Chart
- Steam Hose
- Use of Hose in Explosive Atmospheres (Static Electricity)

Please read and understand these and other available guidance before selecting or recommending a hose for your application.

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SAFETY

In any application where hose failure could cause bodily injury, property damage or other loss, the user is responsible for implementation and maintenance of adequate safety measures. These should include:

- **Regular Inspections.** Hose used in such applications should be inspected at frequent intervals based on the seriousness of the risk. These inspections should include: tube and cover examinations for hardening, brittleness, abrasions, cracks, cuts, blisters, braid exposure and other deterioration and damage; inspection for seepage, leaking slipped couplings and damage to or around couplings; and proof test. Damaged or suspect hose should be replaced immediately.
- **Personal Protective Equipment.** Always use proper protective equipment (for example, gloves, eye protection, protective suits, hardhats, etc.) that will protect the user in the event of hose failure or other accident.
- **Operator Training.** All operators must be thoroughly trained in the care and use of hoses and material conveyed.

Failure to exercise proper safety precautions could result in serious bodily injury, death, property damage or other loss from chemical, elevated temperature materials, explosive or flammable material, impelled couplings, whipping hose, and high pressure or high velocity discharge of materials.

HOSE ENVIRONMENTAL/PHYSICAL PROPERTIES RESISTANCE REFERENCE

HBD/Thermoid®, Inc. has developed a quick reference system for determining general hose resistance characteristics to environmental conditions and physical properties that hose products come into contact with during everyday use. The chart at right outlines a number of specific physical properties and environmental conditions. Each environmental and/or physical property is defined by a specific marking symbol. These resistant marking symbols are shown next to Thermoid® brand hose products throughout this brochure. Resistant symbols are shown for a specific hose product that demonstrates an exceptional resistance when exposed to that particular environmental and/or physical property on a long-term basis. For complete information on hose resistance characteristics and service performance in specific applications and/or environments, please consult your area

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| Environmental/ Physical Property | Hose Resistance Marking Symbol |
|-------------------------------------|-----------------------------------|
| Abrasions | |
| Aging | |
| Chemical/Acids | |
| Collapsing | |
| Coolant | |
| Diesel Aromatic Fuels | |
| Fats/Oily Edibles | |
| Gasoline | |
| Heat | |
| Kerosene | |
| Kinking | |
| Non-Conductive/Non-Static | |
| Oil | |
| Ozone | |
| Sunlight | |
| Vibrations | |
| Water | |
| Weathering | |