

MAGNASEAL Magnetic Leak Patch

Magnaseal Magnetic Leak Patch is a patented magnetic urethane sealing solution designed to rapidly stop or prevent leaks of hazardous substances. Engineered for emergency response scenarios, it enables fast intervention on pipelines, storage tanks, rail tankers and containers without direct exposure to dangerous materials.

The flexible urethane construction combined with encapsulated rare-earth magnets ensures reliable adhesion to ferrous surfaces, even under pressure. Its reusable design, chemical resistance and adaptability to irregular surfaces make it a dependable tool for industrial, fire and rescue operations.

KEY FEATURES

- **Protection of the responder & environment** by minimising direct contact with leaking substances and helping reduce soil and water contamination
- **Cost reduction versus spill-related costs** such as clean-up, product loss, downtime, fines and litigation
- **Fast & easy application**—stops hazardous leaks in seconds; can be applied by one person (throwing, using a pike pole, etc.) and can be repositioned if necessary
- **High chemical resistance**—tested against 25 commonly transported/used chemicals at highest concentration; optional peel & stick Teflon sheet available for extreme situations
- **High-strength rare-earth magnets** deliver a reliable seal from min. 2 bar (25-30 PSI) up to approx. 15 bar (220 PSI) demonstrated in ideal conditions. Storage bag included to reduce magnetic pull for easier handling and storage.
- **High quality & flexible material**—does not deteriorate over time; fits concave or convex; high thermal resistance
- **Patented design**—magnets encompassed with urethane to protect from heat, cracking, rusting and sparking



PRIMARY APPLICATIONS

- Pipeline leak control
- Tank and container sealing
- Rail tanker incidents
- Industrial spill response
- Hazardous material containment

COMPLIANCE & TESTING

- Chemical resistance tested according to ASTM A903 methodology
- Testing duration exceeded standard 4 hours (up to >8 hours)
- Independent third-party laboratory verification



MAGNASEAL Magnetic Leak Patch

TECHNICAL DATA

Specification	Value
Product Type	Magnetic leak sealing patch
Material	Chemical-resistant urethane rubber
Magnetic System	Encapsulated rare-earth magnets
Pressure Resistance	approx. 2–15 bar (25–220 PSI, ideal conditions)
Chemical Resistance	Tested against 25+ chemicals (ASTM A903)
Temperature Resistance	High thermal resistance
Reusability	Yes
Application Method	Manual / pole-assisted
Accessories	Storage bag; optional Teflon sheet

AVAILABLE SIZES

SKU	Dimensions	Configuration	Weight
LP050008M	20.32 × 20.32 × 1.59 cm	1 × D-Ring, 1 × Strap	2.27 kg
LP050012M	30.48 × 30.48 × 1.59 cm	4 × D-Ring, 2 × Strap	4.54 kg
LP050018M	45.72 × 45.72 × 1.59 cm	4 × D-Ring, 2 × Strap	13.61 kg
LP050024M	60.96 × 60.96 × 1.59 cm	4 × D-Ring, 2 × Strap	22.68 kg
LP050036M	91.44 × 91.44 × 1.59 cm	4 × D-Ring, 2 × Strap	40.82 kg

PRODUCT-MARKET INSIGHT

Magnaseal positions itself as a rapid-response solution for hazardous leak control, bridging the gap between temporary containment and operational continuity. Its combination of speed, safety and chemical resilience makes it a valuable asset for emergency services and industrial risk management teams.



MAGNASEAL Products - Chemical Resistivity Testing ASTM A903 Data Summary

Chemical Tested	Overall (Pass/Fail)	Permeation Test Duration (hours)	Penetration	Discoloration	Deformation	Degradation
Acetic Acid, glacial, 100%	Pass	> 8 hours	No Penetration	No Discoloration	No Deformation	Mild Degradation
Acetone, 99.8%	Pass	> 8 hours	No Penetration	No Discoloration	No Deformation	Mild Degradation
Acetonitrile, 99.0%	Pass	> 8 hours	No Penetration	No Discoloration	No Deformation	No Degradation
Ammonium Hydroxide, 30%	Pass	> 8 hours	No Penetration	No Discoloration	No Deformation	No Degradation
Aniline, >99%	Pass	> 8 hours	No Penetration	No Discoloration	No Deformation	Mild Degradation
Calcium Hypochlorite, 10%	Pass	> 8 hours	No Penetration	No Discoloration	No Deformation	No Degradation
Carbon DiSulfide, 99%	Pass	> 8 hours	No Penetration	No Discoloration	Mild Deformation	Mild Degradation
Chlorobenzene, >99.5%	Pass	> 8 hours	No Penetration	No Discoloration	No Deformation	No Degradation
Dichloromethane, 99.6%	Pass	> 8 hours	No Penetration	No Discoloration	Mild Deformation	Mild Degradation
Diesel Fuel	Pass	> 8 hours	No Penetration	No Discoloration	No Deformation	No Degradation
Diethylamine, >99.5%	Pass	> 8 hours	No Penetration	No Discoloration	No Deformation	No Degradation
Dimethylformamide, >99%	Pass	> 8 hours	No Penetration	No Discoloration	No Deformation	Mild Degradation
Ethyl Acetate, >99.8%	Pass	> 8 hours	No Penetration	No Discoloration	No Deformation	No Degradation
Formaldehyde, 37%	Pass	> 8 hours	No Penetration	No Discoloration	No Deformation	No Degradation
Gasoline (unleaded)	Pass	> 8 hours	No Penetration	No Discoloration	No Deformation	No Degradation
Hexane, >95%	Pass	> 8 hours	No Penetration	No Discoloration	No Deformation	No Degradation
Hydrochloric Acid, 32%	Pass	> 8 hours	No Penetration	No Discoloration	No Deformation	Mild Degradation
Hydrogen Peroxide, 15%	Pass	> 8 hours	No Penetration	No Discoloration	No Deformation	No Degradation
Methanol, 100%	Pass	> 8 hours	No Penetration	No Discoloration	No Deformation	No Degradation
Nitric Acid, 70%	Pass (Teflon Sheet mandatory)	Smoke and fumes visible after 5 hours, test stopped at this time (standard testing time is 4 hours)	No Penetration	Yes, must use	Yes, must use	Yes, must use Teflon Sheet
Nitrobenzene, 99%	Pass	> 8 hours	No Penetration	No Discoloration	No Deformation	No Degradation
Phenol, 90% Phosphoric Acid, 85% Sodium Hydroxide, 50% Sulfuric Acid, 96%	Pass	> 8 hours	No Penetration	No Discoloration	Mild Deformation	Mild Degradation
Tetrahydrofuran, 99%	Pass	> 8 hours	No Penetration	No Discoloration	No Deformation	Mild Degradation
Toluene, >99.5%	Pass	> 8 hours	No Penetration	No Discoloration	No Deformation	No Degradation

Bright Green =NoAdverseReaction

Yellow =IndicatesModerate DeformationorDegradation

Standard method for testing resistance of materials is 4 hours duration, this testing exceeded 8 hours.
Testing was completed by a third-party quality of assurance lab.