HELDITE

JOINTING COMPOUND

THE UNIVERSAL SEALANT

Formulated in 1922

THE ALL ROUND SEALANT SUITABLE FOR USE WITH A WIDE RANGE OF FLUIDS AND GASES

HELDITE

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HELDITE

THE PERFECT SEALANT FOR JOINTS OF ALL KINDS IN PIPELINE, MOTOR, MARINE, AIRCRAFT, ELECTRICAL AND GENERAL ENGINEERING.

Heldite is a liquid compound which may be applied to any kind of joint either alone or in conjunction with a washer or gasket. It will effectively seal bolted, flanged or screwed joints and since it is a liquid as opposed to a paste, it is economical to use and will not squeeze into the interior of the joint – an occurrence which can cause damage to internal working parts or obstructions when paste sealants are used.

USES

The high performance sealant for preventing leakage of oils, hydraulic fluids, water, steam, gases, coolants and fuels (excluding ethanol) in all branches of automotive, auto mechanical, electrical and general engineering, plumbing, heating and pipeline services.

FLEXIBILITY & ADHESION

The combination of thermoplastic and adhesive factors in Heldite is unique in sealant formulation. Heldite's inherent plasticity combats the effects of vibration and stresses imposed by temperature change or the assembly of dissimilar metals.
The adhesive factor not only assists gasket location but in general practice has been shown to be an effective locking type sealant for imparting additional security to studs, splines and pressfit bearings.

NON ABRASIVE

Heldite is completely waterproof and unaffected by sea water. The product is widely used for protecting electrical joint boxes and moisture sensitive instruments from the ingress of fluids or the effect of damp atmosphere.
Heldite is a liquid compound and contains no abrasive material and will not damage highly machined joint faces or such components as aluminium cylinder heads.

ANTI-CORROSIVE AND INERT

Heldite is inert and has no effect on metals rubber or other materials with which it is in contact. It will inhibit stud corrosion and applied as a tank liner, will give protection against a wide variety of chemicals. Used as a coating between two dissimilar metals such as steel and brass in contact, it will prevent electrolytic action from the effects of sea water.
All joints must be clean and dry and free from any cleaning agents.

METHOD OF APPLICATION

Apply a coat of Heldite to each face and allow it to remain a few moments until the compound becomes tacky. Close the joint. For screwed joints, apply one coat to each mating thread and screw up immediately.

For joints made with washers of cork or absorbent material, apply one coat to each side of the washer or gasket and allow this to soak in. A second coat should be applied to the joint faces, allow it to become tacky and then close the joint.

Heldite is a solvent based product and needs to dry out in order to work effectively; this can take between 20mins and 8hrs.

If the joint is to be put under pressure immediately or if the quality of the screw threads are in doubt and in the case of parallel threads - the use of a packing material (ie hemp or ptfe tape) is recommended after coating the threads with Heldite. This will support the Heldite jointing as it sets - a belt and braces approach.

It is advisable to allow Heldite to set completely before putting the joint under full pressure.

HELDITE CHARACTERISTICS

Adhesion: High factor for adhesion to metallic surfaces

Appearances: Smooth brown viscous liquid free from abrasive material

Chemical Characteristic: Inert and non-abrasive

Resistance to Acids: 18% Hydrochloric, 5% Sulphuric

Specific Gravity: 0.9653 at 20°C

Spreading Capacity: 66 square feet (6 square metres) per 500ml tin

Temperature Range: -40°C - +350°C

Viscosity: 3-4 poises at 23°C

MSDS on website or by request

Heldite is not compatible with Ethanol

Heldite is made with organic compounds so is incompatible with potable water

Heldite is made in the UK from sustainable raw materials

HELDITE

Heldite Jointing Compound is used throughout the following industries and services:

- Oil and petrochemical industry
- Heating, engineering and plumbing trades
- Boiler and radiator manufacture
- Renewable energy advancement
- Hydraulic engineering
- Marine engineering, ship building and maintenance
- Garages, restoration of automotives including steam engines, vintage vehicles and classic cars
- Gas, oil, diesel and steam engine manufacturer
- Mining engineering
- Aircraft and aircraft engine manufacture
- Heavy electrical engineering
- Cable manufacture
- Electricity, gas and water undertakings
- Instrument making
- Home DIY projects

HELDITE IS AVAILABLE IN:

7ml pots

125ml tins with brush applicator

250ml tins with brush applicator

500ml tins – lever lids

PROFILE

Heldite has supplied a wide spectrum of industry both at home and abroad since 1922 and is known world wide.

Heldite jointing compound was originally formulated and developed for the aircraft industry and through its success in this application the use of Heldite spread to all industries where there was a requirement for a high performance jointing compound and sealant.

In its first ten years Heldite was used successfully in the production of Bentley cars, on the record breaking Flying Scotsman steam locomotive and the S6B Schneider Trophy seaplane – forerunner of the famous Spitfire.

Heldite with its unique universal properties has 90 years of proven track record in various industries across the globe.

This literature is supplied for information and is based on laboratory and practical experience. In view of the wide range of applications and conditions in use no liability is accepted for any loss or accident which may occur from its use or applications.

CONTACTS

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