



STAG™

TDS Technical Data Sheet

STAG™ Jointing Compound

Product Code: 32-582-0810
Most Recent Revision Date: 14 January 2025



Product Description

STAG™ Jointing Compound has been trusted for over 50 years to seal steel pipe joints. The characteristic red paste is easy-to-apply and forms a permanent seal on new and existing, threaded and flange joints. **STAG™ Jointing Compound** air-dries and is resistant to various chemicals, tolerates high operating temperatures and pressures.

Applications

- Steel pipe joints – threaded and flanged
- Pipelines carrying water, steam, oil, petrol, diesel and gases
- Immersed switches, transformers and liquefied petroleum gas (LPG) connections
- Battery terminals to arrest corrosion
- Screwed and flanged metal joints on petrol and diesel engines
- Gearbox gaskets
- Sealant for steel plumbing fittings

Benefits

- Effective high pressure sealant (70bar)
- Effective as a high temperature thread sealant (200°C)
- Remains flexible over time, sealing micro-movements in joints
- Resistant to oil, petrol, gas, water, steam, and dilute acids
- High electrical insulation properties

Specification

Property	Unit	Value	Test Method/Standard
Appearance:		Red Oxide Paste	Visual
Specific Gravity:	g/cm ³	1.50 – 1.70	S.G. Cup
Chemical resistance		Fresh Water, Steam, Salt Water, Compressed air, Gases, Mineral Oils, Vegetable Oils, Petrol, Diesel, Grease, Dilute Acids	
Temperature range:	°C	0 – 200	Thermometer
Pressure range	Bar	0 – 70	Pressure Gauge
Drying time	Hours	½ - 2in pipes 30 – 60 min 2in+ pipes 60 – 120 min	
Shelf life:	Months	24	When stored unopened, in original package between 5 and 35°C in a dry and frost proof area



STAGTM

TDS Technical Data Sheet

Packaging

Standard Pack Sizes: Branded box of 24 x 500gr tub with applicator, and branded display box of 24 x 125gr tubes.



Application Information

- Surface preparation:** New - remove all debris, dirt, rust and oils with Methylated Spirits and a clean cloth.
Old - remove all debris, dirt, rust and oils with a wire brush. Perform final clean with Spirits and a clean cloth.
- Methylated**
- Mixing:** Oils may rise to the upper surface if container left to stand for extended periods. Ensure container is tightly closed and shake for 30 – 60 seconds stir with applicator brush till paste is homogenous.
- Application Method:**
- Apply paste with applicator brush as supplied.
 - Apply paste to male threads only to prevent excess paste running into inside of pipe.
 - New surfaces require 2 coats (hemp not required)
 - Old surfaces require 3 coats (hemp can used if condition of thread is poor)
 - Wipe excess paste from joint with Methylated Spirits and a clean cloth.
- Application Temperatures:** 5 – 40°C
- Thinners:** Methylated Spirits
- Drying Time:** ½ - 2in pipes 30 – 60 min
2in+ pipes 60 – 120 min

Safety, Storage and Disposal

- Precautions:**
- Obtain, read and follow all safety instruction before use.
 - Keep away from all open sources of ignition and open flames. No smoking or drinking during use.
 - Wear suitable eye/face protection and protective gloves..



STAGTM

TDS Technical Data Sheet

- Use in a well ventilated space..
- Avoid contact with skin and eyes
- Do not inhale or breathe fumes and vapours.
- Close containers correctly and tightly after use.
- Wash hands thoroughly after handling.
- Store locked up in a cool, dry, well-ventilated area away from all sources of ignition.
- **Keep out of reach of children, untrained persons, pets and food items.**
- Avoid release into environment.
- Do not dispose in drains, sewers or waterways.
- Dispose of contents/containers in accordance to local laws.

Warning!:

- Flammable Liquid and Vapour.
- Harmful if swallowed.
- Causes skin irritation.
- Causes eye irritation.
- Harmful if inhaled
- May cause respiratory irritation.
- May cause drowsiness or dizziness.
- Harmful to aquatic life.

First Aid

- If in eyes, flush immediately with plenty of running water, remove contact lens, if present, and flush with water. If irritation persists seek medical help
- If inhaled, remove person to fresh air and keep comfortable for breathing.
- If ingested, rinse mouth immediately, and seek medical help
- Refer to SDS for hazard warnings and information on safe handling / use / transport / storage / disposal / emergency.

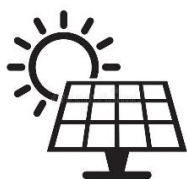
Storage:

- Unopened and correctly resealed containers must be kept out of direct sunlight, dry and between 5 - 35°C.
- **Store out of reach of children!**
- Unopened and correctly stored containers have a shelf life of 24 months.

Disposal:

- Do not dispose in drains, sewers or waterways.
- Dispose of waste contents and empty containers in accordance with local laws.
- **Keep used / empty containers away from children!**

Please refer to the SDS for the most current 'Handling and Storage' information.



The **STAG**[®] range of products are manufactured in Johannesburg (South Africa) in a factory equipped with solar panels. 75% of the total energy consumption of factory is supplied by the sun (April 2023 consumption data).

Terms of Use: This information is based on our present state of knowledge and is intended to provide general notes on our range of products and their uses. It should not be construed as a guarantee of specific properties of the products described, or the suitability for a particular application. If further information is required, please contact Liquid Colours.

The quality of our products undergoes specific and relevant tests related to their basic applications and end uses. The quality of our products is guaranteed under our General Conditions of Sale. Customers must independently determine the suitability for their intended products, uses or process. Liquid Colours makes no representation or warranty, expressed or implied, including merchantability or fitness for a particular use, regarding our products.

----- end document -----