



PR 1428 Class A

LOW ADHESION SEALANT SEALANT

USE

PR 1428 Class A is a low adhesion sealant designed for use as access door sealant.
It can also be used to protect electrical wires, terminal and equipment against fuel, moisture, dirt and short circuits.

DESCRIPTION

PR 1428 Class A is a two-part manganese cured, polysulfide-based sealant characterized by low adhesion properties. The mixed compound is of fluid consistency which can be applied by brush, once applied around fasteners will not drip or flow from vertical or overhead surfaces

SPECIFICATION

MIL-S-8784

LE JOINT FRANCAIS

Sealants, Adhesives and Coatings

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PRODUCT DESIGNATION

PR 1428 A-2

PACKAGING

KITS :

	Base Volume	Container	Number of Kits per case
KIT n° 10	0,10 liter	1/4 l. Can	12
KIT n° 25	0,25 liter	1/2 l. Can	12
KIT n° 50	0,50 liter	1 liter Can	12
KIT n° 100	1,00 liter	2 liters Can	6

SEMKITS :

	Total Content	Number per Case
655	55 cc	24
654	100 cc	24

APPLICATION PROPERTIES

(23°C / 50 %HR)

Couleur
Base Red
Accelerator Black
Mixing ratio
Base/ accelerator 10 : 1

Nonvolatile content
(mixed compound) 90 %

Viscosity
(Brookfield # 7 @ 2 rpm) 30 Pa.s

Application Life and Cure Time

	Application (hours)	LifeTack Free Time (hours)	To 30 Shore A (hours)
A2	2	7	48

PERFORMANCE PROPERTIES (typical)

Color Dark red
Specific Gravity 1,45
Hardness, Shore A 55
Low temperature flexibility -55° C

Adhesion - Peel strength (N/mm)

	Initiale	B Fluid	salt water
Alclad 2024	0,3 N/mm	0,2 N/mm	0,3 N/mm
Stainless steel	0,3 N/mm	0,2 N/mm	0,3 N/mm
Titanium	0,3 N/mm	0,2 N/mm	0,3 N/mm

after 7 days/60°C immersion in B* Fluid and in salt water 3%.
0% cohesion

Résistance to heat :

48h/50°C in B*Fluide
+ 72H /50°C + 8 shore A

Resistance to Salt and Hydrocarbon

No sign of blistering and softening.
No evidence of corrosion

Volume Resistivite : $1,5 \cdot 10^{10}$ ohm/cm

Surface Resistivite : $1,16 \cdot 10^{10}$ ohms

B*Fluide : iso octane-toluène (70/30)

NOTE : The above application and performance property values are typical for the material, but are not intended for use in specifications or for acceptance inspection criteria because of variations in testing methods, conditions and configurations.

SURFACE PREPARATION

To obtain good adhesion to metallic surface, part shall be cleaned with solvents to remove dirt, grease, and processing lubricants used in manufacturing.

Wash one small area at a time, then dry with a clean cloth before solvent evaporates to prevent redeposition of oil, wax or other surface contaminants. To maintain a clean solvent supply, always pour the solvent on the washing cloth.

MIXING INSTRUCTIONS

Proper mixing and correct proportions are extremely important if optimum results are to be obtained. Mixing by experienced personnel at a central location is recommended.

CAUTION: Do not mix accelerator with compound until ready to use.

- 1° Thoroughly stir accelerator in its container until an even consistency is obtained.
- 2° Thoroughly stir base compound in its container until an even consistency is obtained.
- 3° Slowly stir the accelerator into the base compound and thoroughly mix approximately 7 to 10 minutes. Be sure to scrape the sides and bottom of the container in order to include all the compound in the mixture and to assure uniform blending. Scrape mixing paddle periodically to remove unmixed compound. Slow mixing by hand is recommended.

FRACTIONAL USE OF UNIT:

When it is desired to use only part of the kit, after homogenization, remove the required quantity.
(§APPLICATION PROPERTIES).

SEMKIT TWO-PART SEALANT CARTRIDGES

- 1° Wear safety glasses.
- 2° Hold cartridge and pull back dasher rod one fourth.
- 3° Pull back the dasher rod as injecting as proportionally as possible the contents accelerator into the base.

- 4° Mix material, rotate dasher rod 90° in aspiral clockwise motion; with each stroke turn the dasher rod 90°.
- 5° When two-parts are mixed thoroughly, pull dasher rod back to the neck of cartridge, grasp cartridge firmly at neck, unscrew dasher rod counterclockwise and remove.
- 6° Screw nozzle into cartridge, material is ready for extrusion.

For all informations, consult the Technical Services of
LE JOINT FRANCAIS.

APPLICATION INSTRUCTIONS

Application life is the period of time that the mixed compound remains at a consistency suitable for application with injection or extrusion guns. Application life is always based on standard conditions at 23° C and 50 % relative humidity.

CURING

The length of the cure depends on the ambient temperature and relative humidity. The temperature/time relationship is approximately the same for curing as it is for application life. Low humidities may extend the cure several times. Cure may be hastened by applying heat up to 55° C.

CLEANING EQUIPEMENT

Equipment should be cleaned immediately after use with methylethylketone. Cured material may be removed with commercial product.

STORAGE LIFE

The storage life of **PR 1428 A** is 6 months when stored in the original, unopened containers at temperature below 25°C.

HEALTH PRECAUTIONS

WARNING: CONTAINS FLAMMABLE AND VOLATILE SOLVENT.

PR 1428 A is a safe material to handle when reasonable care is observed. Ordinary hygienic principles, such as washing the compound from hands before eating or smoking, should be observed.

For additional health and safety information consult a **Material Safety Data Sheet** which is available upon request on www.ljfm.com

GUARANTEED

We guarantee all our products against faulty materials or preparation. Our sole responsibility shall be to replace, free of charge, those products which prove to be defective, the user being entitled to no indemnity for any reason whatsoever. All recommendations contained herein as to the choice of materials or of certain methods of operation are of an informative character and are based on tests and experiments we believe to be reliable and correct, but accuracy and completeness of such tests are not guaranteed and are not to be construed as a warranty, either express, or implied.

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