

# ULTIMATE NEUTRAL SILICONE HT CHEMISIL

CHEMISIL  
 NEUTRAL  
 ULTIMATE HT



## PRODUCT DESCRIPTION

Ultimate Neutral Silicone High Temperature Meko Free HT CHEMISIL is a one-component, neutrally crosslinked sealant that cures with atmospheric humidity at room temperature. It is specially formulated for sealing materials subjected to high temperatures. It has good resistance to water, aliphatic solvents, mineral oils, greases and alkalis and diluted inorganic acids.

## CHARACTERISTICS

- ✓ Easy to apply and handle
- ✓ Neutral curing silicone
- ✓ Cures with atmospheric humidity
- ✓ Resistant to temperatures up to 300°C
- ✓ High modulus and high elasticity and flexibility.
- ✓ High resistance to UV rays and weathering.
- ✓ High adhesion power to most substrates
- ✓ Excellent resistance to fuels, oils and greases.
- ✓ Non-corrosive

## TECHNICAL SPECIFICATIONS

Property	Value	Standard
Chemical base	Neutral Oxime Without Meko	-
Film formation time (23° e 50% h.r.)	5-15 minutes	-
Curing time at (23° e 50% h.r.)	2-3 mm/24h	-
Application temperature	- 5°C até +40°C	-
Hardness (Shore A)	45 ±3	DIN 53505
Tensile strength	1,0-1,2 Mpa	DIN 53504
100% elastic modulus	0,4-0,5 Mpa	DIN 53504
Elongation at break	400-600 %	DIN 53504
temperature resistance	Continuous -40°C to +300°C with peaks at -50° to 330°C	-

Results tested in the laboratory.

## APPLICATIONS

Particularly suitable for sealing materials subject to high temperatures such as heating systems, pumps and machines, ovens, stoves and stoves, chimney filters, machine and motor joints, heat ducts, among other applications.

It has excellent adhesion to most materials, such as rigid materials such as rigid PVC, brass, copper, ceramic, galvanized steel, stainless steel, lacquered and anodized aluminum, methacrylate, polycarbonate, ABS, brick, concrete, mortar, limestone, granite, marble, glass, etc.

## **METHOD OF APPLICATION**

### **PREPARATION**

- Surfaces must be very clean and dry, degreased and free of friable particles that could hinder adhesion. You can use acetone, alcohol or degreaser to clean the substrate.
- Check the compatibility of **Ultimate Neutral Silicone High Temperature Meko Free HT CHEMISIL** with the substrates and, if necessary, apply a primer.

### **APPLICATION**

- If necessary, use joint cord to avoid three-point contact and observe the width/depth ratio defined by the following general rule: ideal joint depth = joint width / 2, with a minimum depth of 6mm.
- The application temperature must be between +5°C and +40°C.
- If necessary, apply masking tape to the sides of the joints to protect the places where it should not come into contact.
- Cut the tip and place it in the cartridge. It is recommended that this cut be made at 45°C, in the diameter required for sealing the joint.
- **Ultimate Neutral Silicone High Temperature Meko Free HT CHEMISIL** can be applied with a manual or pneumatic gun.
- Apply the product in uniform and continuous strands for sealing. After application, use a spatula to smooth the joint and remove the masking tape before forming a film. It is very important to press the sealant well against the surface to be sealed.
- The curing process starts when it comes into contact with the humidity in the air, which is done from the outside to the inside 2mm every 24 hours.

### **CLEANING**

- Tools can be cleaned with acetone before the sealant cures. After curing, it can only be removed by mechanical action.

### **PAINTING**

- Cannot be painted.

## **RESTRICTIONS OF USE**

It is not recommended for use in aquarium constructions; Not recommended for sealing structural glass; Cannot be painted; Never use soaps, detergents or water. Do not use in contact with aromatic solvents, concentrated acids and chlorinated hydrocarbons. Does not adhere to Polypropylene, Polyethylene or Teflon.

## **SAFETY INFORMATION**



Keep out of reach of children.

For further information and advice on the safe handling, storage and disposal of chemical products, the user should consult the most recent version of the Material Safety Data Sheet which contains physical, ecological, toxicological and other safety-related data.

## STORAGE CONDITIONS AND SHELF LIFE

Store in a cool, dry, well-ventilated environment between +5°C and + 35°C, away from sources of heat and moisture. Shelf life 18 months if stored under recommended conditions, otherwise shelf life may be shortened.

## PACKAGING

SAP	SPECIFICATION		VOLUME ml	RAL 	EAN
CH21010003	Ultimate Neutral Silicone High Temperature Meko Free HT CHEMISIL	24	300	Preto	5608907454114

**Note:** This technical sheet cancels and replaces others previously issued for the same product. The technical information given, verbally or in writing, is based on our current knowledge, given in good faith and supported by various laboratory tests. Taking into account the diversity of factors that may affect the product during its use, as well as the various application techniques, the user is responsible for confirming and carrying out his own tests and experiments, whether the product is suitable for the process and type. of use in question. For these reasons, any application of the product is carried out under the sole responsibility of the user, and CHEMITOOL-LUSAVOUGA S.A. cannot. be liable for any losses or damages, directly or indirectly resulting from the application. All features, specifications and product images are subject to change without notice.