

SILICONE NEUTRAL ULTIMATE AYS

CHEMISIL

NEUTRAL

ULTIMATE AYS



PRODUCT DESCRIPTION

Chemisil Silicone Neutral Ultimate AYS is a one-component neutral silicone, Alkoxy-based sealant that cures in contact with atmospheric humidity, suitable for sanitary applications.

Neutral sealant with permanent elasticity and excellent adhesion to most building materials.

CHARACTERISTICS

- ✓ Permanent elasticity and excellent adhesion to all construction materials.
- ✓ Excellent mechanical properties.
- ✓ Resistant to atmospheric effects, UV rays and aging.
- ✓ Resistant to various chemicals.
- ✓ Does not cause corrosion.
- ✓ Does not run in vertical joints.
- ✓ Prevents mold formation in silicone due to the special mixture.
- ✓ Complies with ISO 11 600.
- ✓ With fungicidal properties

TECHNICAL SPECIFICATIONS

Property	Value	Standard
Chemical base	Alkoxy curing polysiloxanes	-
Appearance	pasty	
Density at 20°C	0,97 ± 0,02 (g/ml)	ISSO 1183
Film formation time (23° e 50% h.r.)	12 minutes	-
Curing time at (23° e 50% h.r.)	3-4 mm/24h	-
Application temperature	+5°C até +40°C	-
Hardness (Shore A)	10	ISO 868
100% elastic modulus	0,16 N/mm ²	ISO 8339
Elongation at break	300%	ISO 8339
Maximum deformation	20%	ISSO 11600
Elastic recovery	>70%	ISO 7389
temperature resistance	-50°C a +150°C	-

Results tested in the laboratory.

APPLICATIONS

Used for insulating and sealing construction joints, kitchen and sanitary joints, watertight joints, insulation joints for installing glass in wooden, aluminum or PVC frames, for glazing, for sealing lightweight roof domes, end joints between frames for windows, sills and walls, shutter frames and skylights and for sealing expansion joints.

Sanitary applications in environments with high humidity such as bathrooms, showers, kitchens and cold rooms, as it prevents the formation of mold

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 **Chemisil Silicone Neutral Ultimate AYS** 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.
- **Chemisil Silicone Neutral Ultimate AYS** 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 **CHEMICLEAN SEALANT REMOVER** or **CHEMICLEAN INDUSTRIAL CLEANING WIPES** before the sealant cures. Once cured, it can only be removed by mechanical action. 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

Not compatible with butyl rubber material used in double glazing. Not suitable for use on PE, PP, PA, PTFE (Teflon).

Not recommended for use in aquarium construction. Not recommended for sealing structural glass; Not suitable for use on polyacrylate and polycarbonate. Not suitable for use on natural stone (may cause staining).

SAFETY INFORMATION

For further information and advice on safe handling, storage and disposal of chemicals, the user should refer to 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

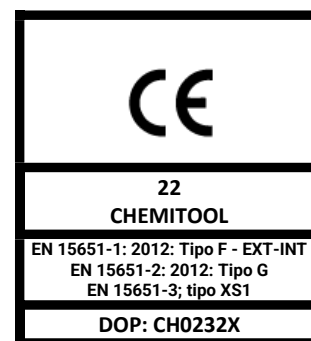
Store in a cool, dry, well-ventilated environment between +5°C and + 25°C, away from sources of heat and moisture. Shelf life 18months if stored under recommended conditions, otherwise shelf life may be shortened.

CERTIFICATIONS

CE Marking and Declaration of Performance for::

- ❖ Sealant for facade joints in interior and exterior applications: EN 15651-1: 2012: Type F - EXT-INT
- ❖ Sealant for glass sealing applications: EN 15651-2: 2012: Type G.
- ❖ Sealant for sanitary joints: EN 15651-3; Type S

Complies with ISO 11 600- Class 20 LM- sealant classification and requirements.



ADDITIONAL INFORMATION

Correct sizing of expansion joints:

- Suitable joint widths from 5 mm to 30 mm
- Joints with a width of up to 10 mm: the joint depth must be equal to the joint width. Joints with a width greater than 10 mm: joint depth = (joint width/3) + 6 mm

PACKAGING

SAP	DESCRIPTION	RAL		Volume ml	EAN
CH02320000	CHEMISIL ULTIMATE AYS TRANSPARENT	-	12	300	5604630216012
CH02320001	CHEMISIL ULTIMATE AYS CHAMPAGNE	-	12	300	5604630231206
CH02321015	CHEMISIL ULTIMATE AYS BEIGE	1015	12	300	5604630238069
CH02326005	CHEMISIL ULTIMATE AYS GREEN	6005	12	300	5604630237635
CH02327004	CHEMISIL ULTIMATE AYS GREY	7004	12	300	5604630238359
CH02327016	CHEMISIL ULTIMATE AYS GREY	7016	12	300	5604630216005
CH02327021	CHEMISIL ULTIMATE AYS GREY	7021	12	300	5604630231497
CH02328014	CHEMISIL ULTIMATE AYS BROWN	8014	12	300	5604630238366
CH02329003HG	CHEMISIL ULTIMATE AYS GLOSSY WHITE	9003	12	300	5604630216036
CH02329006	CHEMISIL ULTIMATE AYS GREY	9006	12	300	5604630231503
CH02329007	CHEMISIL ULTIMATE AYS GREY	9007	12	300	5604630237642
CH02329010	CHEMISIL ULTIMATE AYS WHITE	9010	12	300	5604630216029
CH02329011	CHEMISIL ULTIMATE AYS BLACK	9011	12	300	5604630231213

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 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.