

Cleanseal- FDA®

High grade cleanroom silicone sealant

Factsheet: Cleanseal-FDA 2209EN

Cleanseal-FDA is a neutral silicone sealant for flexible joints and bonding in cleanrooms and technical accommodations. Cleanseal meets the latest standards for cleanroom applications by FDA, Food and Drug Administration



Applications

- Especially suitable for jointing in cleanroom walls, ceilings, around doorposts, laboratory furniture, sink units, etc.
- Sealing of joints in cold storage containers, aerial ducts and ventilation grids.
- Highly suitable for sanitary rooms

Properties

- Neutral curing system
- Bonds to almost all materials
- Permanent elastic
- With anti-fungi additive
- Almost odor less
- UV an weathering resistant
- Not corrosive to metals

Specifications

- CE Markering: EN15651-1: F Ext-Int
- CE Markering: EN15651-2: S
- FDA: CFR 21 § 177.2600 (RE15/06395)

Processing

Cleanseal-FDA® is suitable for most types of glass, ceramics, glazed tiles, enamel, metals as steel, copper, zinc, lead and brass, impregnated, varnished or painted wood. And to plastics such as uPVC, epoxies, polyester and many other materials. Since surfaces vary widely, it is best to carry out compatibility and adhesion tests prior to final use.

Pretreatment of surfaces

All substrates must be free from dust, oil, grease, and loose particles. Non absorbing substrates such as glass, tiles and plastics should be cleaned with a soaked clean cloth with Bloem Cleaner "Plastics" or Cleaner "Glass+Metall". Don't touch cleaned surfaces any more prior to sealing. Please consult our relevant technical data sheets and test cleaners and/or primers for compatibility prior to application.

Technical data at 20°C and 60% RH

Application temperature:	+5°C to 40°C
Service temperature:	-60°C. to 160°C
Skin formation:	14 min
Curing time:	2 -3 mm / day
Specific weight (ISO1183):	1.02
Shore-A-Hardness (DIN53505):	16°
Consistency (ISO 7390):	non sag
Shrinkage (ISO 52451):	< 6%
Modulus at100% (ISO 8340):	0,3 N/mm ²
Elongation at break (ISO8339):	>300%
Movement capability:	25%

Joint design and dimensions

Use polyethylene or polyurethane backer rods. The minimum joint width is 6mm so as to allow proper application and tooling of the sealant. The sealant bead should be no deeper than 15mm. The ideal ratio of joint width to depth is: Widths up to 12mm give a depth of 6mm. Wider joints/3 + 6mm. E.g.: (WxD / mm's) 6x6, 8x6, 10x6, 12x10, 15x11, 20x12, 25x15, 30x15. In any case, the minimum joint width must be four times the expected movement.

Available colours

Standard white. Special colors on request.

Packaging

Sausages 400 and 600ml.

Application

The sealant can be applied either by hand- or by airgun. Tooling must be done before skin formation with a special putty knife or piece of wood dipped into BS-tooling liquid.

Storage

Cleanseal-FDA® has a shelf life of at least 12 months if stored in tightly closed original containers under cool (below 25°C.) and dry conditions.

Safety precautions

Contains 2-butanonoxim. An allergic reaction could occur. Keep uncured sealant out of reach of children. Avoid prolonged contact of uncured sealant with the skin. In case of contact with eyes, rinse with plenty of water and consult a doctor. During application and curing time of the sealant rooms must be sufficiently ventilated. Relevant Material Safety Data Sheets (MSDS) are available on request.

Transportation classification

Not applicable; no special measures required.