

DATA SHEET

FLOORSIL®

The perfect sealing system for floor covering in aircrafts !

Floorsil 2: SFE Airbus
Airbus Specification: DA4-653-3SF
RTV one-component silicone sealant
Free from VOC and chromates
Developed in cooperation with Airbus Industry
Skin forming time: 10 min.
Shore Hardness: 38 ° Sh A
Tensile Strength: 2,9 N/mm
Temperature resistance: -40 to +265 °C
Modulus at 100 % elongation: 1,0 N/mm²
Elongation: 400 %
Shelf life: 12 months, in case of storage at 23 °C and 50 % RH

Floorsil 87: SFE Airbus
Airbus Specification: 2520M1C010901
RTV one-component, self - leveling neutral cross-linking sealant
Free from VOC and chromates
Skin forming time: 10 min.
Shore Hardness: 5 – 10 Sh A
Tensile strength: 0,4 N/mm
Temperature resistance: -40 to 180 °C
Modulus at 100 % elongation: 0,20 N/mm²
Elongation: 400 %
Shelf life: 12 months, in case of storage at 23 °C and 50 % RH

Floorsil 1217: Primer
SFE Airbus
Silicone resin primer for adhesion improvement to plastics, e.g. acrylic glass, PVS, ABS, polyester and similar materials
Drying time: min. 15 min. (23 °C/50 % hum.)
Shelf life: 12 months, in case of storage at 23 °C and 50 % RH

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Installation Recommendations for Floorsil®

SURFACE PREPARATION

Compatibility: Paints, lacquers, plastics and any other coatings must be compatible to the sealant/adhesive.

Cleaning: Clean all joints/substrates, remove all contaminants such as mould-release agents, preserving agents, grease, oil, dust, water, frost, surface dirt, old sealants/adhesives and other substances which can affect adhesion. The joint edges/substrates must be firm.

Cleaners for non-porous substrates: They should be cleaned methyated spirit or other cleaners on an acetone or isopropanol basis and a clean, lint-free, cotton cloth.

ADHESION AND PRIMERING

Floorsil products are high-performance and highly specialized products which exhibit an excellent primerless adhesion to numerous substrates. For PVC and PUR and similar materials please use FLOORSIL 1217.

APPLICATION SEALANT

Avoid direct contact between sealant and plasticizer emitting products: Direct contact between sealant and the following plasticizer emitting products should be avoided because these products might cause yellowing of light-coloured silicone sealants: e.g. butyl rubber; ethylenepropylenedienemonomerepolymer (EPDM), neoprene, bitumious and products. Sealant to be applied after the primer has dried up for at least 15 minutes. The distance between the sheets has to be approx. 1/10 in. The sheet surface has to be protected with a thin adhesive-tape, installed approx. 1/10 in. from the edge.

Avoid air entrapment: The joint must be completely filled to avoid air entrapment in order to make the joint leak-proof.

Tooling / smoothing: The sealant must be smoothly tooled before the skin formation in order to ensure integral contact with joint flanks.

Masking tapes: Masking tapes must be removed immediately after tooling

Steam jet apparatus: On using a steam jet apparatus the distance between the joint and the steam nozzle has to be at least 50 cm.

When using the sealed objects for the first time: Floorsil 2 must have cured completely before the sealant object is exposed to mechanical or chemical stress for the first time. Floorsil 2 should have cured at least 24 to 48 hours at room temperature.

SAFETY PRECAUTIONS DURING PROCESSING, FIRST-AID, DISPOSAL

See Material Safety Data Sheet and Technical Data Sheet

ADDITIONAL INFORMATION ABOUT FLOORSIL®

- FLOORSIL® is surface-dry in approx. 15 min. and fully useable in approx. 4 hours.
- FLOORSIL® is available in the same colours as AIRFLOOR and AIRFLEX®
- FLOORSIL® is made of the same silicon-based product as AIRFLOOR®/AIRFLEX®. This guarantees an **intensive, stable and absolutely waterproof connection**.
- FLOORSIL® expiration after one year following production date.