

MATERIAL VERIFICATION/DATA SHEET STENCA SEAL 302

Description

Stenca Seal 302 is a high quality 1 component sealing and bonding Material based on MS Polymer.

Properties

- Durable elastic, high modulus
- For sealing and bonding interior as well as exterior, in the building and industrial sector.
- Paintable with water based paints (alkyd resin based paints may slow down in drying, please test first)
- No fouling or discolouring (excellent suitable for natural stone)
- No shrinkage
- Free of isocyanates, solvents, silicone, phtalate, p.v.c. and plastisizer
- Fast curing
- Resistant to UV radiation, weather, (see)water, fluid, mould and chlorine
- Very good adhesion on almost every surface (even moisty) in the most situations without using a primer (test first porous surface)
- Wet on wet applicable (repair with the same material)
- Non smelling
- Sandable after curing

Application

- Multipurpose fill and joint sealant for connecting joints, cracks, wholes, etc. (not for expansion joints) in the building sector.
- Joints in ship decks (wooden)
- For carrossories and metal surfaces, for bonding metal to metal (can absorb vibrations)
- High quality glazing sealant, especially suitable for burgglersafe glazing systems
- Universal waterproof construction adhesive for bonding of stone (nonporous), concrete, mirrors, natural stone, gypsum board, polycarbonates, PSPU, PVC, and several more plastics, ceramic tiles, email, cupper, led, zinc, aluminium, stainless steel, trespa, wood, glass, etc.

Technical data		(colour)	(transparent)
Density	:	1415 kg/m ³	1010 kg/m ³
Curing in 24 hours	:	2 mm	2 mm
Shrink age	:	nil.	nil.
Skinning time	:	10-15 minutes	10-15 min.
MMA ¹⁾	:	25%	20%
Elongation at break ²⁾	:	300%	250%
E-module at 100%Mpa	:	2,10	1,0
Hardness ³⁾ shore A	:	60 ⁰	38 ⁰
Tensile strength ²⁾ Mpa	:	3,40	2,20

- 1) Measured to ISO 9040
- 2) Measured to DIN 53504
- 3) Measured to DIN 53505

MATERIAL TECHNICAL DATA STENCA SEAL 302

Restrictions transparent

- Only suitable for sealing of joints, do not use with natural stone.

Colours and packing

Colour* : White, grey, brown, black and transparent.

Packing* : PE cartridges of 290 ml.
12 cartridges per box.

* Other colours and packing on request.

Shelflife

In good closed original packing, stored on a cool and dry place, between +5°C and +25°C; Storage life 24 months.

Transport/safety aspects

Transport Road (ADR/GGVS)	:	N.a.
Sea (MGD/GGVSea)	:	N.a.
Airfreight (ICAO/IATA-DGR)	:	N.a.
UN-nr.	:	N.a.
Packing Group	:	N.a.
Proper shipping name	:	N.a.
Flashpoint	:	>100°C.
Symbols	:	N.a.

General safety aspects

Avoid prolonged contact with skin. Direct contact with food should be avoided as long as the sealant has not cured. In the event non-cured Stenca Seal 302 gets into the eyes, flush with water and consult a doctor.

Resistance

Temperature resistance	:	-40°C to +140°C
Mechanical resistance	:	Good
Chemical resistance	:	Fair
Seewater resistance	:	Good
Consumer chemicals	:	Good
Dirt attachment	:	Practically none
Discolouring	:	Hardly none

Tooling

Because of the skinning time of Stenca Seal 302 is between 15 minutes, smoothening of the joint must be done immediately after application with soap water.

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Application

Surface (bonding substrate)

On dry, clean and free of dust, grease and loose particles, non-porous substrates, a good adhesion can be achieved on paint systems, glass, aluminium, plastics, metals and nonporous concrete, without the use of a primer.

It is advisable to pre-treat porous surfaces with a primer.

Surface temperature	:	Between +5 ⁰ C till +60 ⁰ C
Application temperature	:	Between +5 ⁰ C till +40 ⁰ C.
Minimum joint width	:	5 mm.
Maximum joint width	:	25 mm.
Maximum joint depth	:	10 mm.

Cleaning

Material : immediately after application with turpentine or M.E.K.

Hands : with hand cleaner and/or water and soap.

Paintability

Very good paintable with acrylic dispersion paints. The adhesion of the paint onto the sealant is subject to the composition of the paint (test first). Prior to painting, the surface must be cleaned with a white spirit first.

For an optimal adhesion of water based paints, application of a prime coat onto Stenca Seal 302 within a period of 3days is required.

Alkyd resin based paints can slow in drying. It is recommended to test the adhesion and compatibility first.

Certified:

ISO 11.600 25HM.

Produced by

Hercuseal Bv.