

Product

Seal-it® 320 MS FLOOR-SL is a self-levelling, high-quality professional sealant for horizontal expansion joints in floors, that is based on hybrid technology and moisture-cures into a durable rubber that retains its elasticity.

Applications

- Specially developed as a self-levelling, highly elastic sealant that is suitable for horizontal expansion joints and offers lasting absorption of significant movements.
- Seal connecting and dilation joints between concrete parts in floors, galleries, storage rooms, parking garages, staircases, balconies, platforms, landings, terraces, tunnels and roadway and bridge components.
- Industrial joint sealing, around cable penetrations, machine bases, drainage systems and steel structures.

Properties

- Self-levelling, good fluidity, no rework needed, efficient and user-friendly.
- Excellent adhesion without primer on practically all surfaces, even moist ones.
- Durable, retains elasticity, maximum movement capacity of 25%.
- Good absorption of acoustic and mechanical vibrations.
- Good resistance to discolouration, UV, weather, water, moisture and ageing.
- Paintable with water-based paint systems.
- Free of isocyanate, solvents and silicone.
- Non-corrosive to metals.
- Odourless, adhesive-free, bubble-free and non-shrink curing hybrid system.



Standard product line

Colour	12 x 600ml foil pack
Concrete grey	SI-320-7102-600

Other colours and/or packaging on request.

Technical product data

Base	HYBRID		
Density	g/ml		1.59
Skin formation time	min.	23°C/55% RH	10-15
Fluidity	mm	CPTM 33.00	50
Cures in 24 hours	mm	23°C/55% RH	+/- 2
Contraction			None
Permissible deformation	%		25
Temperature resistance once fully cured	°C		-40/+100
Mechanical values	2mm film		
Shore A hardness		DIN 53505	40
Modulus at 100%	MPa	DIN 53504	0.55
Tensile strength	MPa	DIN 53504	1.40
Stretch at breaking point	%	DIN 53504	450

Shelf life

In unopened original packaging, stored in a cool dry place between +5°C and +25°C, the product will last up to 15 months after the production date.

Application conditions

- Application temperature (ambient and surface) between +5°C and +40°C.
- On clean, uncontaminated, stable, compatible, dust-free and grease-free surfaces.
- Ensure proper joint dimensions, for proper absorption of any movements.
- Degrease the surface properly using Seal-it® 510 CLEANER.
- Use a suitable brush to remove any loose particles from the surface.
- Seal-it® 320 MS FLOOR-SL has a broad bonding spectrum, but highly porous surfaces should be pre-treated with Seal-it® 520 PRIMER and non-porous surfaces with minimal bonding should be treated with Seal-it® 525 Clean & Bond.
- Use Seal-it® 550 FINISH to apply a smooth and tight finish, before skin formation.

Paintability

After skin formation, Seal-it® 320 MS FLOOR-SL is excellently paintable with emulsion paints. However, synthetic paint systems may dry slowly. If it will be painted (not necessary), for best results, we recommend lightly sanding the Seal-it® 320 MS FLOOR-SL and adjacent parts with a Scotch-Brite® pad, then thorough degreasing with Seal-it® 510 CLEANER and painting immediately after this.

Cleaning

Remove fresh/uncured material from surfaces and tools using Seal-it® 510 CLEANER. Clean hands/skin with Seal-it® 515 ULTRA-WIPES. Cured material must be removed mechanically.



Limitations & recommendations

Not suitable for continuous water loads or vertical joint seals. Not suitable for PE, PP, PTFE, PC, PMMA, soft plastic, neoprene or bituminous surfaces. Discolouration may occur under certain conditions, such as due to direct contact with chemicals, release of plasticiser from the surface and/or application in dark rooms/spaces. Not fungicidal. Ensure adequate humidity in the immediate environment. We recommend testing adhesion and material compatibility in advance.

Health & safety

Avoid long-term contact with skin. If uncured material gets in your eyes, rinse out thoroughly with plenty of water and consult a physician. The product safety data sheet is available on request.

Warranty & liability

Connect Products BV guarantees that its product will meet the specifications during its shelf life. Liability shall never exceed that stipulated in our terms and conditions of sale and supply. Under no circumstances shall the seller be held liable for any consequential damages. The information provided is the result of our testing and experience and is general in nature. However, it does not entail any liability. Users are responsible for performing their own tests to determine whether the product is suitable for the application.

