

CP-Elastic 9550 Cartridge is a 2-component modified polyurethane spray elastomer that acts as a waterproofing and crack-bridging system, which is used to protect against the ingress of water into concrete, timber, cement screed, fibre cement, bitumen. Also suitable for metal substrates. The cartridge-kit especially is designed for repairs, coating of small surfaces and areas which are difficult to access.

APPLICATION RANGE

- Roofs
- Carparks, underground parking areas
- Substructures
- Tunnels
- Water retaining structures
- Shafts, foundation walls
- Tanks
- Terraces, balconies

RESISTANCES

- salt water / sewage
- diluted acids and alkalis
- ground and surface water
- mineral oils, diesel fuels
- dry temperature max. 80 °C
- flexible at low temperatures, down to -40 °C
- resistant to root growth
- short-term +250 °C (applied mastic asphalt)

TECHNICAL INFORMATION

Color	gray
Volume solids	approx. 100 %
S _d - value	< 4 m
Tensile strength (DIN 53504)	> 10 N/mm ²
Elongation at break (DIN 53504)	> 300 %
Crack-bridging in acc. with ZTV-SIB - guidelines	IV _{T+V} = dynamic 0,4 mm / at -20 °C
Crack open at 70 °C for 1 week	min. 1 mm without tear at 2 mm thickness
Viscosity (23 °C) A/B	approx. 1250 mPa·s ± 300 / approx. 2150 mPa·s ± 300
Density (23 °C) component A / component B	approx. 1,04 g/cm ³ / approx. 1,09 g/cm ³

APPLICATION DATA

Application methods	2-Component-Mixpack-Cartridge. Only applicable with suitable dispenser, available at Chesterton International GmbH
Mixing ratio A : B	100 : 100 by volume (1 : 1), ready for use
Start of reaction	approx. 10 - 15 seconds
Material spray temperature	preheat both components to 50 °C, please consult us regarding preheating methods!
Maximum relative humidity of air	90 % (dew point +3 °C)
Curing time / foot traffic	10 minutes at 5 °C / 5 minutes at 23 °C / 3 minutes at 30 °C
Duration between coats	10 minutes - 4 hours
Curing time	36 hours at 5 °C / 24 hours at 23 °C / 24 hours at 30 °C
Theoretical consumption	approx. 2 - 4 kg/m ² . Spray the material in a crosswise manner 2 - 4 coats (wet to wet).



FEATURES AND BENEFITS

- High solid content
- High tensile strength, high elongation at break
- High tear resistance, high abrasion resistance
- Highest ageing resistance
- Flexible at low temperatures
- Resistant to mastic asphalt up to +250 °C
- Resistant to hydrolysis
- Permeable to water vapour diffusion
- Resistant to microbes
- Clean resealable after use, remaining material usable for 3 months
- Portability - lightweight, portable dispenser for versatile use

All above values are approximate and may be used as a guideline for specifications. Consumptions vary according to conditions.

SURFACE PREPARATION

All surfaces to be coated should be clean, dry and free from contamination. Prior to application, all surfaces should be assessed and treated in accordance with ISO 8504:2000. Remove weld spatter and smooth weld seams and sharp edges. Oil or grease should be removed according to SSPC-SP1 solvent cleaning.

Abrasive Blast Cleaning	For best adhesion results the surfaces should be prepared by abrasive blast cleaning to minimum SA 2.5 (ISO 8501-1:2007) or SSPC-SP10. A sharp, angular surface profile of R_a 75-125 μm is required. Contact Chesterton International GmbH for further information. The coating system must be applied before oxidation of the steel occurs. If oxidation does occur the entire oxidized area should be reblasted to the standard specified above. Surface defects revealed by the blast cleaning process should be ground, filled or treated in the appropriate manner.
Concrete Substrates	Refer to Chesterton International GmbH for specific recommendations.

STORAGE AND PACKING

Storage unopened in original drums under dry conditions and a temperature of 15 - 30 °C. At temperature < 15 °C crystallisation is possible. Please contact us.

Packing	1.6 kg cartridge-kit. Total volume 1,500 ml with matched mixing ratio.
Shelf life	6 months, after usage remaining material usable for 3 months.

QUALITY ASSURANCE AND INSPECTION

To ensure a continuous quality of the product, the quality assurance and inspection plan of Chesterton International GmbH has to be considered. Recommendations for qualified test control units are also available.

HEALTH AND SAFETY

Observe the precautionary notices on the container label, and read the Material Safety Data Sheet before use. The product is intended for use by properly qualified professional applicators in industrial conditions. The product is flammable and should be kept away from sparks, open flames, and other sources of ignition. Smoking is prohibited in the application area. Wear suitable respiratory equipment and apply in well ventilated areas. Avoid contact with skin and eyes.

DISCLAIMER

All technical information in this Product Data Sheet is signified as material description and based on laboratory tests and practical experiences under normal conditions. During individual use, actual measured data may vary due to circumstances beyond our control. In particular, the recommendations regarding the application and use require the proper storage and treatment of our products. Due to differences in materials, substrates and real site conditions Chesterton International GmbH does not assume any warranty or liability for application results or fitness for a particular purpose, of any legal relationship whatsoever, neither from this information, nor from any given recommendations, or from any other oral advice. The user of the product must check the product's suitability for the intended application and purpose. Chesterton International reserves the right to change the properties of its products. The proprietary rights of third parties must be observed. All orders are accepted subject to our general terms and conditions of sale and delivery. The most recent issue of the Product Data Sheet has to be considered, please ask always for the current version.