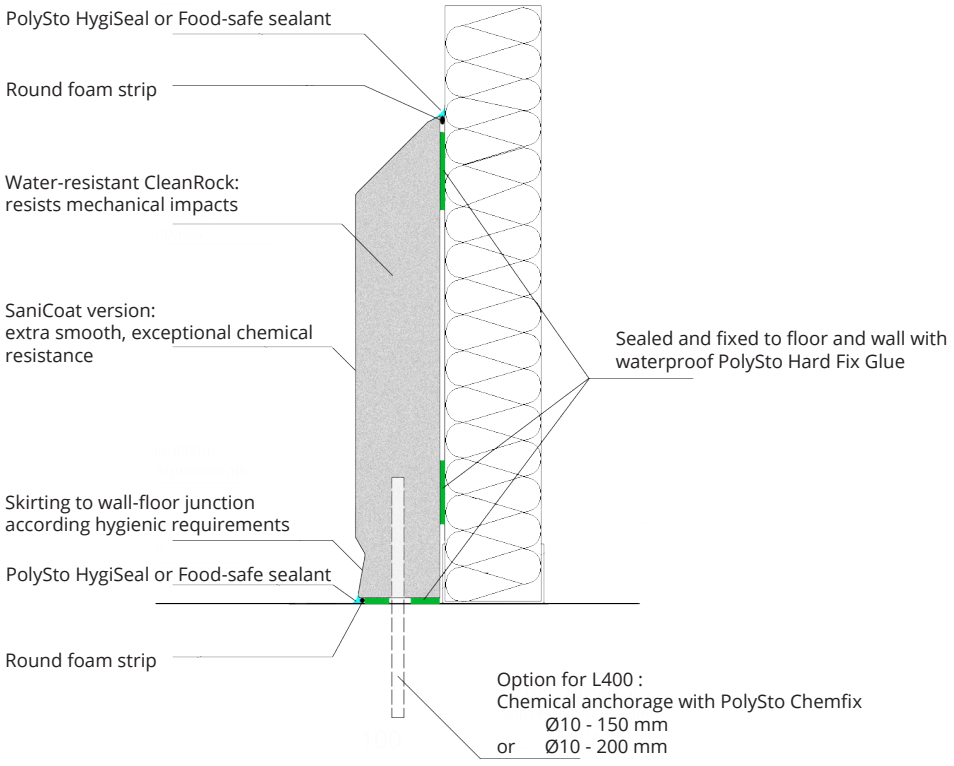
PolySto CleanRock® kerbs

Next-generation CleanRock® kerbs

CleanRock® is PolySto's engineered core material for hygienic kerbs, developed to **deliver long-term wall protection** in demanding food-processing environments. Manufactured from a high-performance composite of polyester resins, quartz granules and additives, CleanRock® kerbs combine very **high impact resistance** with a non-porous, water-tight structure.

CleanRock® kerbs are supplied as a modular, prefabricated system. The range includes matching internal and external corners, as well as door end pieces. As standard, CleanRock® kerbs are delivered in a natural finish. A SaniCoat finish for exceptional chemical resistance is available on request. SaniCoat is a factory-applied protective coating that further enhances surface smoothness and cleanability.

- **SUSTAINABLE**
  New composition with recycled fiberglass material for an eco-friendly solution.
- **DURABLE**
  Built to last — 10x stronger than concrete.
- **LIGHTWEIGHT**
  Slim, easy to handle for faster installation.
- **QUICK TO INSTALL**
  Modular and prefabricated system.
- **EASY TO CLEAN**
  Food-safe design to wash away dirt quickly from walls.



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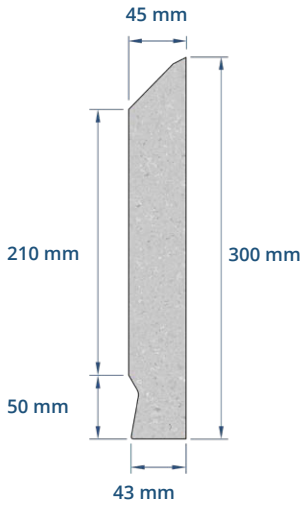
M300

IMPACT **LEVEL 3**
Manual pallet trucks with total loads up to 900 kg.

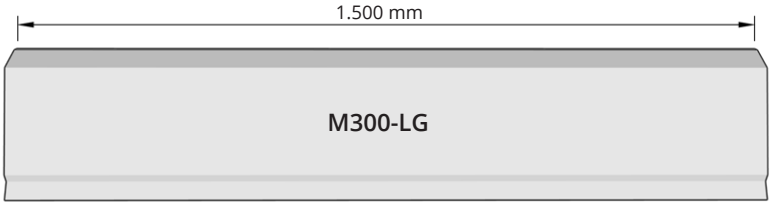


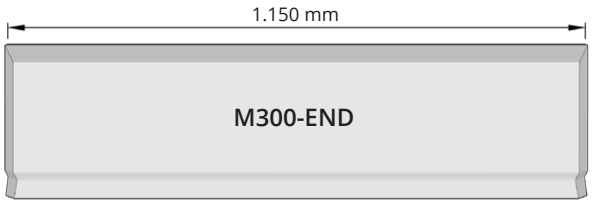
Technical info

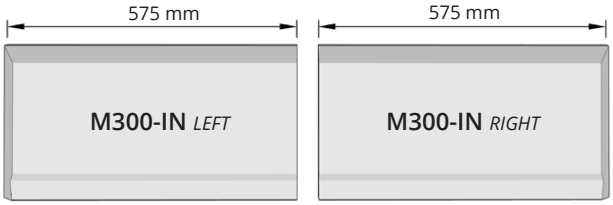
	Kerb	Internal corner	External corner	End piece right / left
Length	1.500 mm	2 x 575 mm	1.080 mm	1.150 mm
Height	300 mm	300 mm	300 mm	300 mm
Thickness	45 mm	45 mm	45 mm	45 mm
Weight	38,6 kg	2 x 13,9 kg	28 kg	28,9 kg
Amount / pallet	24 pcs	24 pcs (sets)	24 pcs	24 pcs
Pallet size	155 x 65 x 70 cmH	120 x 80 x 70 cmH	120 x 80 x 70 cmH	120 x 80 x 70 cmH
Pallet weight	± 930 kg	± 715 kg	± 700 kg	± 710 kg
Temperature resistance	-35°C - +85°C (long exposure)			

Average consumption of	
Food-safe Sealant or HygiSeal white or RAL9002	245 cc / meter
Hard Fix Glue	450 cc / meter

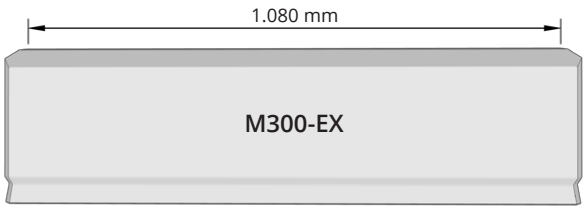
Installation m/day (8h) with 2 installers	
Food-safe Sealant	40 meter
HygiSeal	30 meter

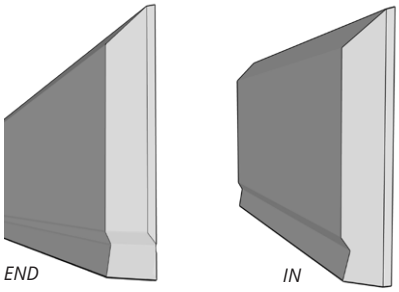




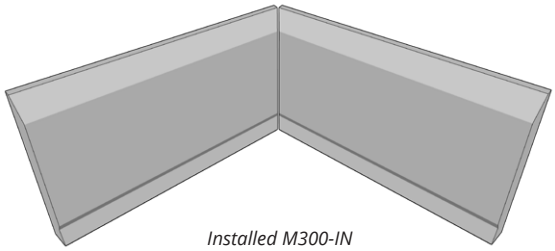


Internal corners are always supplied in sets.

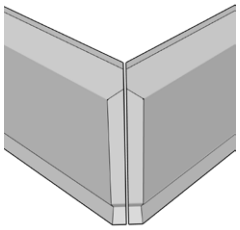




Difference between END and IN



Installed M300-IN



Installed M300-EX

Description

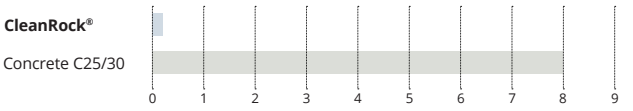
CleanRock® is the **patented core material** used in PolySto kerbs. The composition has been developed based on more than 30 years of experience in the food processing industry.

Prefabricated CleanRock® kerbs are composed of a mixture of polyester resins, quartz granulates and additives. The unique composition allows to prevent contaminations with Salmonella and Listeria. **CleanRock®** contains recycled FRP (CleanSheet) from our own production process, contributing to additional structural strength. CleanRock is ideal for food safe environments that have to comply with HACCP, EU, USDA, GFSI (Global Food Safety Standard Initiative), BRC and other food safety standards

Food safe | **Chemical resistant** | **Water resistant** | **Damage resistant** | **Strong**

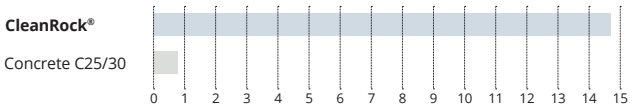
Properties

No water absorption



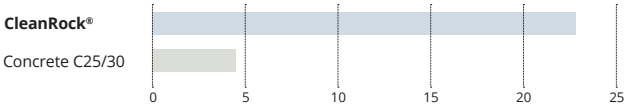
Water absorption (%)
Not-susceptible to freeze-thaw damage

10x stronger than concrete

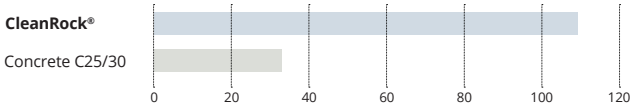


Impact strength (J/for 20mm thickness)

Flexural strength (MPa)



Compressive strength (MPa)



Essential characteristics	Performance	Conform
Water absorption	0,2 %	NBN B15-215
Impact strength	14,7 J	EN 14617-9
Flexural strength	22,83 MPa	EN 196-1
Compressive strength	110,24 Mpa	EN 196-1
Volumetric mass	2.050 kg/m³	
Fire behavior	B,s2-d0	
High chemical resistance		

The product design complies with EHEDG guidelines.

EMIB Energy & Materials in Infrastructure & Buildings University of Antwerp

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