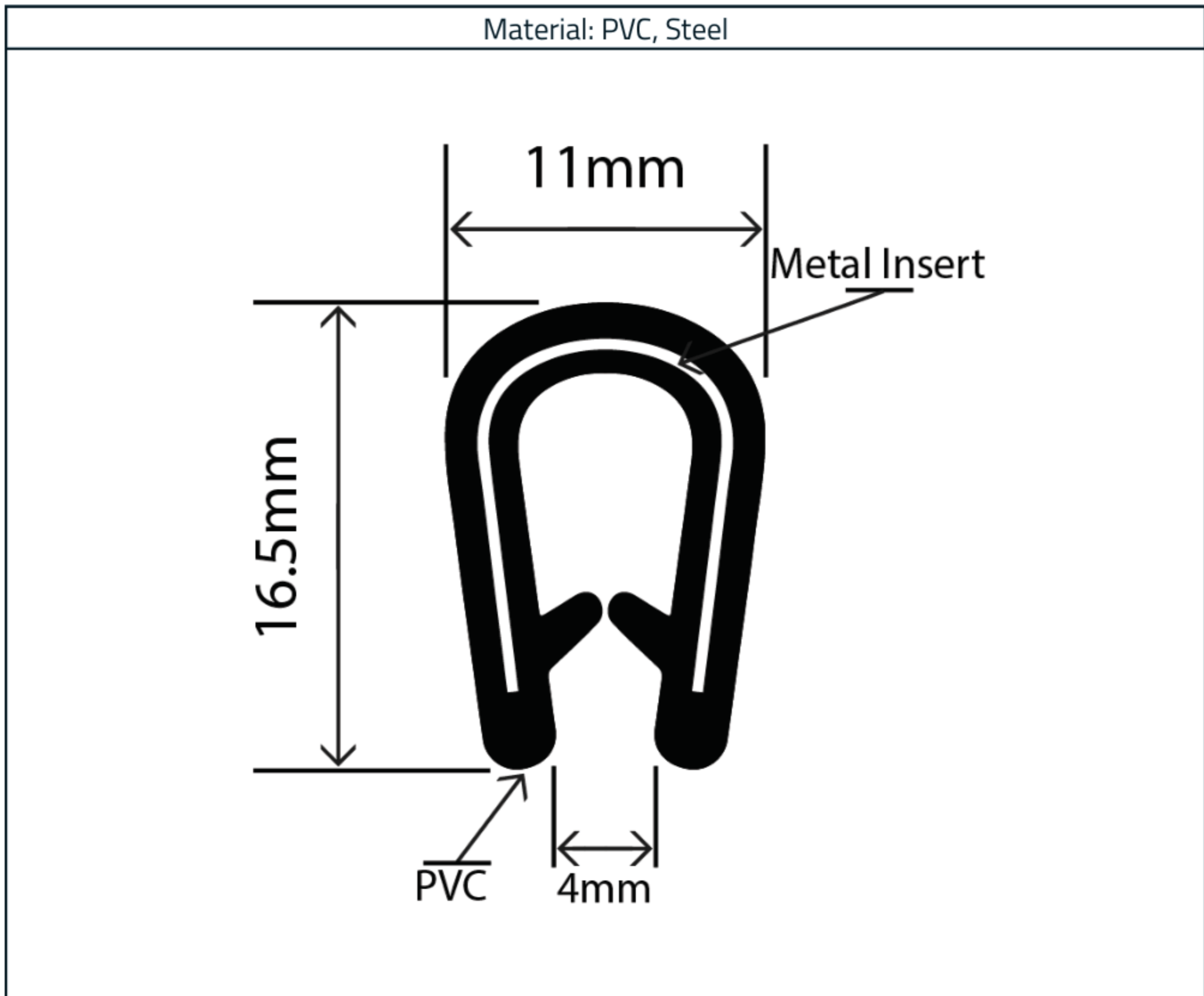


PVC Self Grip Edge Trim 11mm x 16.5mm
 Product Code: RCET11X16.5K



Measurements:

Height	Width	To Fit Panel
16.5mm	11mm	4mm - 5mm

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Material Description

PVC (also known as polyvinyl-chloride) is an incredibly popular and versatile material, that has been widely produced for more than 55 years. There are many advantages to manufacturing from PVC as it is an incredibly stable material. It provides excellent resistance against weathering deterioration, it does not corrode, it is very hard to burn and does not depolymerize.

PVC is commonly used in construction, medicine (instruments) and packaging applications. There is a difference to be made between hard PVC, which is used in pipes, in profiles for windows and borders (ratio of PVC 77/89%) and soft PVC, which is used in insulation tubes, flooring and edge protection profiles (ratio of 44-61%).

Material Specification - PVC Body

Properties	Values
Polymer	PVC
Hardness (IRHD) (ISO 868)	67° - 82° Shore A
Density (ISO 868)	1.35 - 1.45 g/cm ³
Tensile Strength (UNE 21-117)	>11 MPa
Elongation at Break (UNE 21-117)	>260%
Operating Temperature Range	-10°C to +60°C
Compression Set (ASTM D395)	40% (max)
Ozone Resistance	No cracks
Ageing (70hrs @ 70°C)	
Change in Hardness	+2°
Change in Tensile Strength	+15%

Material Specification - Steel Carrier

Properties	Values
Material	Steel
H.R.B (Rockwell Hardness)	80 - 90
Tensile Strength	50 kg/mm (min)

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Manufacturing Tolerances

PVC-Profiles (cross sections) based on DIN 16941 3A and 3B

Nominal Range	+ / -
Up to 3mm	0.4mm
> 3 - 6mm	0.6mm
> 6 - 10mm	0.7mm
> 10 - 18mm	0.8mm
> 18 - 30mm	1.0mm
> 30 - 50mm	1.2mm
> 50 - 80mm	1.5mm
> 80 - 120mm	1.9mm
> 120 - 180mm	2.3mm
> 180 - 250mm	2.8mm
> 250 - 320mm	3.5mm
> 320mm	1.4%

PVC according to DIN 16941

Tolerances of custom length based upon DIN 16941 4B

Steel or Wire Insert

By using either a steel or wire carrier, the edge trim profiles will grip well without the use of splicing tape. However, the use of a steel carrier will have a greater clamping effect than a wire carrier.

The disadvantage of a profile with an unbroken steel carrier is a restricted bending radius over the lateral blade. This can be solved by breaking the connecting bridges. However, a slightly uneven strand may develop if this is done. In most technical application the appearance will be irrelevant.



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