

HERTALAN[®]

EASY STICK GS

INSTALLATION MANUAL



www.hertalan.co.uk

CARLISLE[®]
CM EUROPE

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1. Introduction

These installation instructions provide product and technical information, and are designed as a support for the correct installation of HERTALAN® EASY STICK GS to frames, gutters and facades.

These instructions have been structured in such a way that the specific application method per detail is described in detail, step by step, and supported by images / drawings.

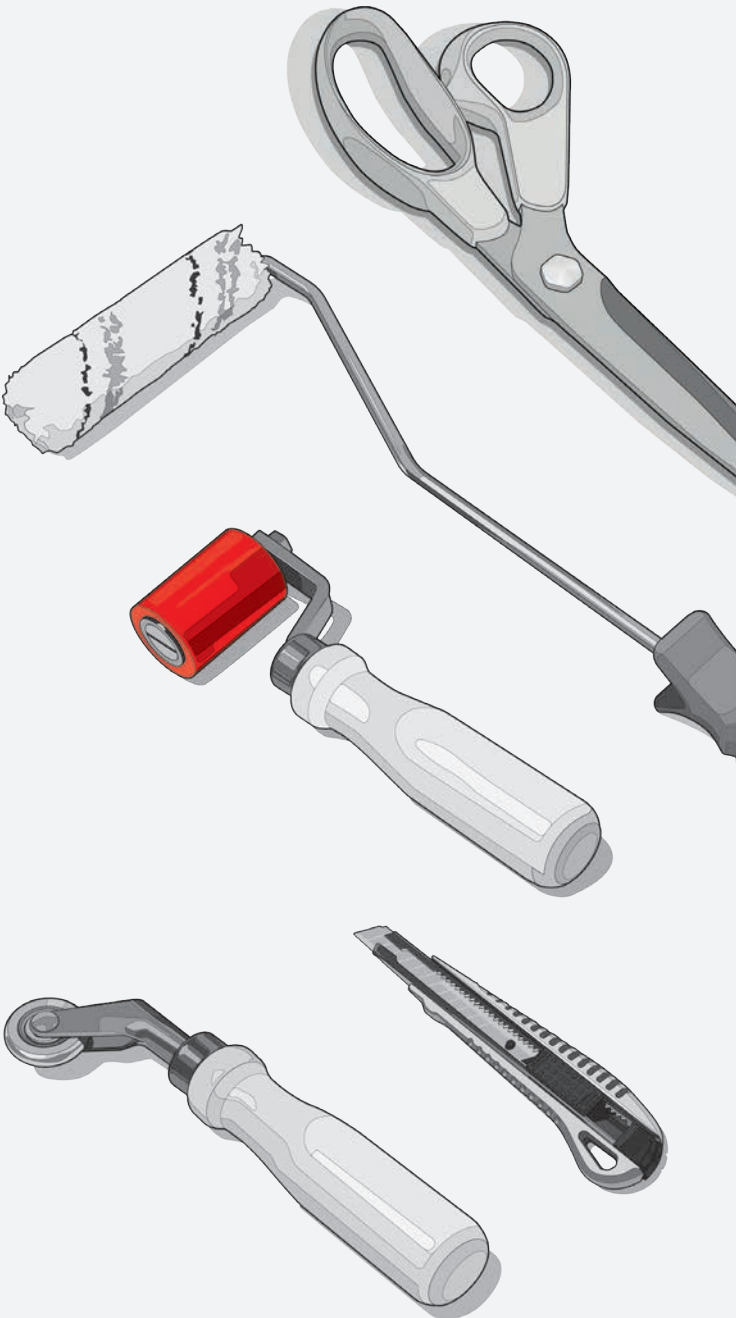
For more specific and detailed requirement, for example, the substrate, as well as individual installation instructions, please contact our technical department.

The information and product descriptions in this publication are based on our experience and test results and are correct to the best of our knowledge and belief. They are the basis for all of the solutions described here. Claims for compensation may not be derived from the contents of this publication.

We reserve the right to make technically feasible design and structural modifications to our product range in accordance with our high standards regarding quality and continuous advancement. These installation instructions replace and supersede all previous editions, which thereby become invalid.

February 2020





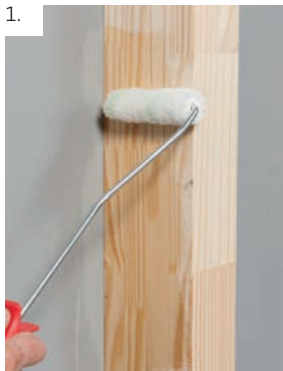
2. General instructions

- Always comply with the local safety regulations.
- The surface must always be solid, flat, dry, clean and free of oil, grease and sharp objects.
- HERTALAN® EASY STICK GS should not be brought in direct contact with a substrate of bitumen with reduced melting point or plastics processed in combination with “diffusing” plasticisers, such as PVC, PIB, TPO, FPO, PE, etc.
- All work must be performed at an ambient and material temperature of at least 5 °C.
- Seam connections between two HERTALAN® EASY STICK GS strips; the outside seam must be sealed with HERTALAN® KS 96.
- Products from other manufacturers / suppliers may not be used, unless authorised by CARLISLE® Construction Materials Ltd’s technical department. Only the use of HERTALAN® EPDM accessories - such as prefabricated corners, drains and passages, etc. - is permitted.
- When fixing on a permeable, rough, fibrous or dusty surface, it needs to be prepared first with a suitable CCM primer.
- Concrete surfaces with residues of mould release oils need to be degreased first with, for example, methylated spirit and then primed with a suitable CCM primer.
- Unroll HERTALAN® EASY STICK GS slowly and gently to avoid trapped air.

3. Sealing frames

3.1 Application on a frame tie

1.



If necessary, prepare the surface completely with CCM primer.

Apply it with a short-haired paint roller.

2.a



Cut out an adhesive measuring 80 mm more than the radius reach of the frame tie. Cut the release film crosswise with the cutter knife.

2.b



Fold the adhesive in half across the width and adhere it in the edge.

Press down well in the edge with a brass pressure roller.

3.



Then remove the release film from the inner side of the seal and roll with a silicone pressure roller. Repeat the process by removing the film from the 2nd part of the adhesive.

Carefully smooth any wrinkles at the edges of the adhesive.

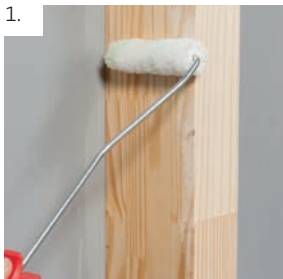
4.



End result

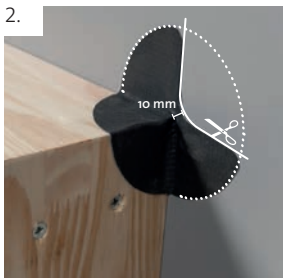
3.2 Application on external corner and exterior frame

1.



If necessary, prepare the surface completely with CCM primer. Apply it with a short-haired paint roller.

2.



Cut out a circle measuring 100 mm in diameter. The notch is 40 mm, so 10 mm above the centre of the circle. Apply to the vertical and horizontal part, and then to the back wall. Set the notch up 10 mm against the back wall.

3.a



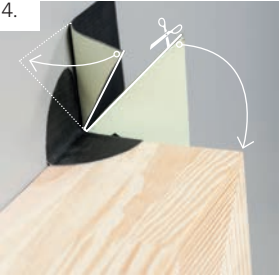
Fold the strip in half over the cutting lines and place it tightly in the corner. Remove the release film on one half of the strip, in parts.

3.b



Press the strip with a silicone pressure roller. Repeat this procedure on the other side. When doing so, the edge must be pressed well with a brass pressure roller.

4.



Cut into the strip diagonally from corner to corner.

Remove the release film and press down with a silicone pressure roller.

5.a



Fold the strip in half over the cutting lines and place it tightly in the corner. Remove the release film on one half of the strip, in parts. Press down with the silicone pressure roller.

5.b



Remove the release film from the 2nd part starting in the middle. First press it down in the edge with the brass pressure roller and then do the level surface with the silicone pressure roller.

6.



End result

3.3 Application on internal corner and interior frame

1.



If necessary, prepare the surface completely with CCM primer. Apply it with a short-haired paint roller.

2.



The release film on the underside strip is cut in the middle.

In addition, cut the release film crosswise with the cutter knife, at 50 mm from the edge.

3.a



Fold the strip in half over the cutting lines and place it tightly in the corner.

Remove the release film on one half of the strip, in parts.

Starting from the lower part.

3.b



Then press it well with the silicone pressure roller.

Repeat the procedure for the second half of the strip, removing first the release film, starting from the middle.

First in the edge with a brass roller and then the level surface with a silicone roller.

4.

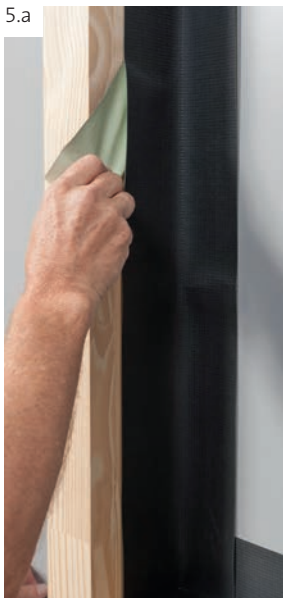


Remove half of the release film in the corner.

Adhere this part to the vertical part.

Then remove the release film from the upper part and adhere this to the vertical part as well to form a corner.

5.a



Fold the strip in half over the cutting lines and place it tightly in the corner.

Remove the release film on one half of the strip, in parts.

Press down with the silicone pressure roller.

5.b



Remove half of the release film in the corner. Adhere this part to the vertical part. Then remove the release film from the upper part and adhere this to the vertical part as well. In such a way as to create a corner.

First in the edge with a brass roller and then the vertical surface with a silicone roller.

6.



End result

3.4 Application on a frame

1.



If necessary, prepare the surface completely with CCM primer.

Apply it with a short-haired paint roller. In this example, the inner side of a frame is done.

Partly over as illustrated in 3.1

2.



Fold the strip in half over the cutting lines and place it tightly in the corner.

Remove a small part of the release film.

3.

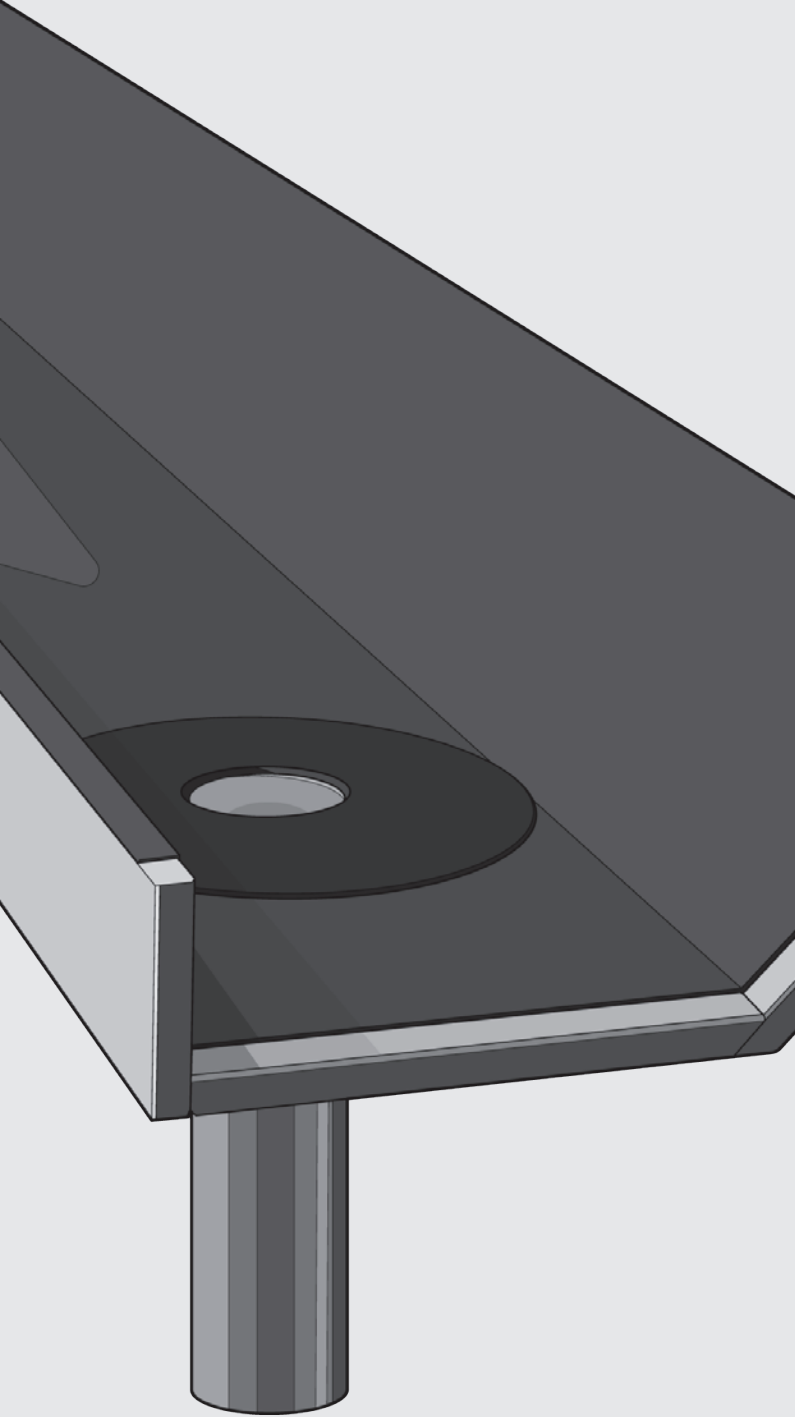


Press it down in the edge with the brass pressure roller and then the entire strip with the silicone pressure roller.

4.



End result



4. Specific instructions for application in gutters

When using HERTALAN® EASY STICK GS, gutters are: Suspended gutters. Not gutters / channels incorporated in, or part of a roofing system.

Always comply with the relevant safety regulations in force and the instructions on page 5 of this publication.

- Gutters must be worked fully adhered, also where there are vertical sections and (up) in the sloping roof under tiles or other roof covering of the sloping roof.
- Apply the HERTALAN® EASY STICK GS up to a height that extends above the highest waterline/water level.
- When ordering, always remember to consider any vertical sections, the width of the gutters, seam overlaps etc., as the so-called “developed” width and length must be determined.
- Seams and edges where the HERTALAN® EASY STICK GS ends, must always be sealed off with HERTALAN® KS 96.
- Under roof tiles, a cover strip or other cover profile, this sealant is only required at the seams of an overlap.
- Internal overlaps of HERTALAN® EASY STICK GS must be made draining towards the discharge and must be a minimum of 100 mm. The seams must be sealed off with HERTALAN® KS 96.
- At the connection of the sleeve of a rainwater outlet onto the underlying HERTALAN® EASY STICK GS, finish with HERTALAN® KS 96 around the seam.
- Apply the HERTALAN® KS 96 with such a thickness and width that the seam or edge is covered at both sides and the grey self-adhesive substrate is no longer visible.

5. Gutter sealing

5.1 Gutter sealing

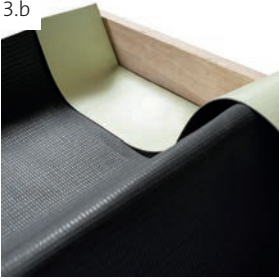


Measure the height and the thickness of the gutter edge plus 10 mm. In addition, measure the inner dimension of the box starting from the edge and add together all the dimensions. This is the “developed” width.



Cut the HERTALAN® EASY STICK GS to the right size and roll it out in the gutter.

3.b



Double the strip at the cut release film and place it tightly against the stop end.

3.c



Fold the strip in half lengthwise. Measure the height and the thickness of the gutter edge here as well, plus 10 mm.

4.



(text by picture 3): Cut the release film across this width with the cutter knife.

4.a



Cut the release film on the fold across the length. Fold the strip back and press it tightly into the stop end. Allow it to protrude above the gutter edge.

The beginning of the release film at the raised side can already be removed.

5.a



Start from the corner, against the stop end and remove the film in parts.

5.b



Press the strip down with the silicone pressure roller both against the gutter edge and on top of the gutter edge.

5.c



Press the strip down in the edge with the brass pressure roll.

6.a



Fold the strip in half lengthwise, tightly in the edge. Cut the release film with the cutter knife.



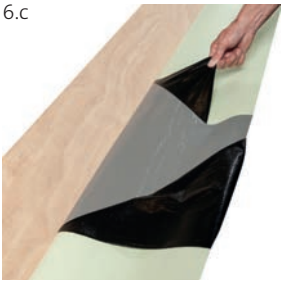
IMPORTANT: Keep a distance of 10 mm to the edge.

6.b



Fold the strip back as a whole over the gutter edge.

6.c



From the outer edge of the cut release film, pull the release film back to two sides. Do this well over the longitudinal cutting.

6.d



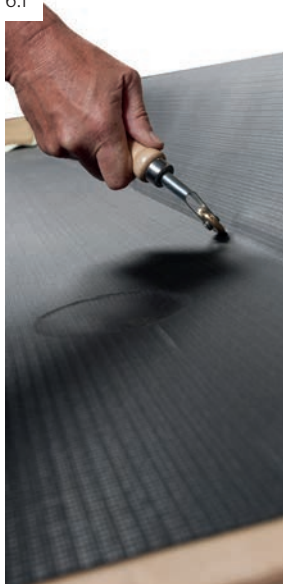
Grab the release film by its point and pull it partly upward.

6.e



Text picture 4: Where the release film has been removed, press down the strip on the gutter base with the silicone pressure roller. Then remove another part of the release film and press down, repeating this procedure until the end of the strip.

6.f



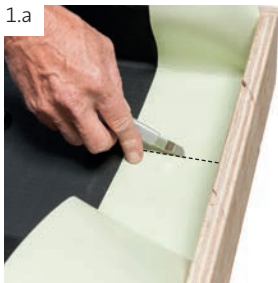
Lastly, press the EPDM down in the edge with the brass pressure roller. Then work the other side in the same way.

6.g



Finally, apply the strip upward in the same manner and press it down well with a silicone pressure roller.

5.2 Folding internal corner



Cut the release film of the strip which is in contact with the stop end, across the height.



Pull the points of the release film halfway up.



Press down the part without release film with a silicone roller against the stop end.



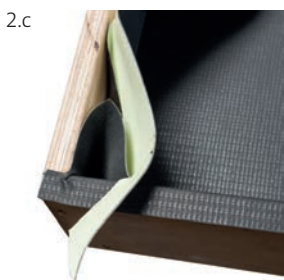
Fold into a cone shape in the corner. Press the strip tightly in the corner on both sides with the brass pressure roller.



Cut halfway into the cone shape, parallel to the gutter edge, but slightly lower. Then cut the upper part.



Fold the cone shape open. Where it has been already cut into, it can be cut into further exactly in the direction of the corner of the gutter, up to 5 mm before the corner.



Now fold the cone shape inwards and apply pressure with the silicone roller, so as to maintain the shape of the folded corner.



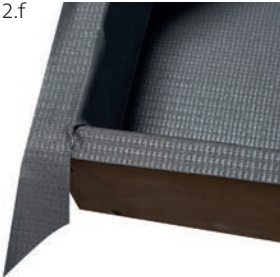
Carefully pull the release film from the cone shape. Push the first part against the gutter edge and then the rest.

2.e



Apply HERTALAN® KS 96 between the two EPDM membranes (not too much) and push it firmly. Press it again when the corners have completely adhered.

2.f



Now pull the last part of the strip over the gutter edge and roll it with the silicone pressure roller.

3.a



Do the second inner corner in the same way as the first.

3.b



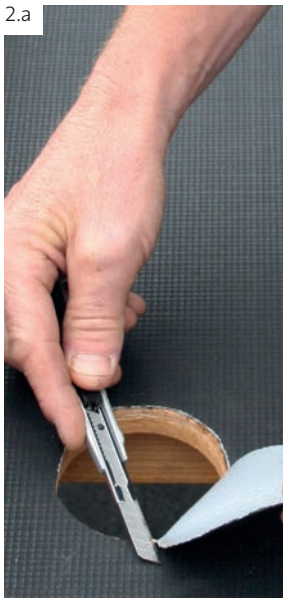
Let the strip of the gutter edge continue until the sloping part. Then apply the strip of the sloping part over it in a draining direction.

5.2 Installing a rainwater outlet

1. Prefabricated rainwater outlet.

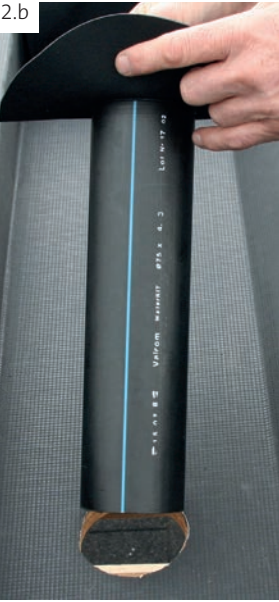


2.a



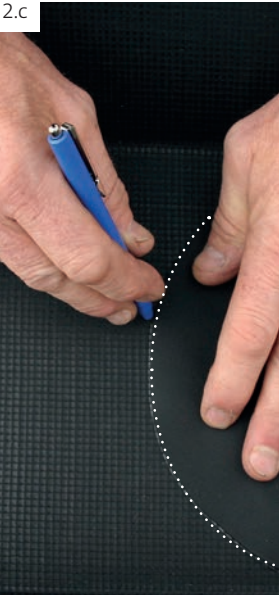
Cut off the EPDM at the opening of the rainwater outlet.

2.b



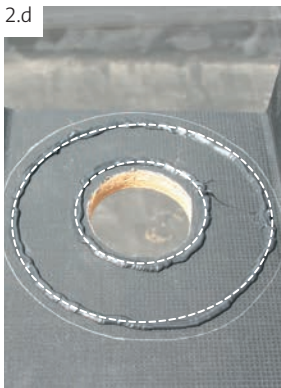
Place the PE pipe of the rainwater outlet in the opening.

2.c



Line out the rainwater outlet on the surface.

2.d



Apply HERTALAN® KS 96 sealant on the surface. Apply the KS 96 around the opening and at approx. 20 mm within the delineation.

2.e



Now press down the upper part well.

2.f



Remove the sealant line and smooth.

3.

End result



5.3 Sealing passages

Prepare the surface and the passage entirely with CCM primer. Apply it with a short-haired paint roller.

1.a



Cut out a sleeve. The outer diameter is the diameter of the passage plus 100 mm. The inner diameter is the diameter of the passage minus 40 mm.

1.b



Stretch the reinforcement all around, increasing the inner diameter.

2.a



Cut the release film to the size of the diameter of the passage. Pull the sleeve over the passage. Make sure to apply it as low as possible.

2.b



Remove the release film.

2.c



Press down the sleeve completely with the silicone pressure roller.

4.



The width of the strip is a minimum of 100 mm. Cut the release film across the width in the middle of the strip. Adhere the strip, starting from the centre, to the passage.

5.a



Press down the entire strip with a silicone pressure roller.

5.b



End result

6. Technical features

HERTALAN® EASY STICK GS

LENGTH	20 m
WIDTH	0,25 / 0,50 / 0,75 / 1,0 m
THICKNESS	1,3 mm

MATERIAL PROPERTIES

VISIBLE DEFECTS	
STRAIGHTNESS	
TENSILE STRENGTH (L/T)	
ELONGATION (L/T)	
TEAR RESISTANCE (L/T)	
JOINT SHEAR RESISTANCE	
REACTION TO FIRE	
RESISTANCE TO IMPACT	
WATERTIGHTNESS	
WATER VAPOUR TRANSMISSION PROPERTIES	
DURABILITY (ARTIFICIAL AGEING)	
DURABILITY (ALKALI)	

Composition	EPDM/Butyl
Colour	Black
Mass	1,4 kg/m ²

TESTS		SPECIFICATIONS	VALUE OR STATEMENT
(EN 1850-2)	-	PASS	PASS
(EN 1848-2)	mm	≤ 30	PASS
(EN 12311-2)	N/mm	≥ 6	7
(EN 12311-2B)	%	≥ 400	450
(EN 12310-1)	N	≥ 50	65
(EN 12317-2)	N/50 mm	≥ 125	130
(EN 13501-1)	-		CLASS E
(EN 12691)	mm	≥ 250	300
(EN 1928)	-	PASS	PASS
(EN 1931)	μ	-	170.000
(EN 1296 / EN 1931)		PASS	NPD
(EN 1847 / EN 12311-2)	-	PASS	PASS

CARLISLE®
Construction Materials Ltd.

United Kingdom

Lancaster House | Concorde Way
Millennium Business Park | Mansfield
Nottinghamshire | NG19 7DW

T +44 (0)1623 62 72 85
F +44 (0)1623 65 27 41
E info.uk@ccm-europe.com

VISIT US ON:



www.ccm-europe.com