FIRE AND SMOKE BARRIER

SCHIEBETOR „ORPHEUS“

Optional Wicket

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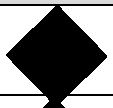
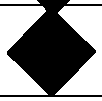
2 Fitting instructions

2.1 Fitting symbols and abbreviations

The following symbols and abbreviations are used in the fitting instructions:

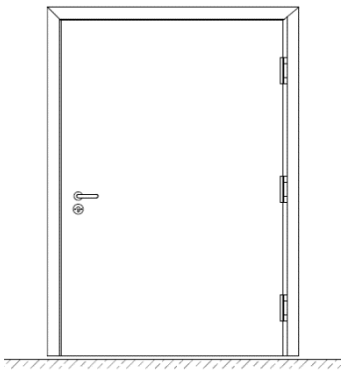
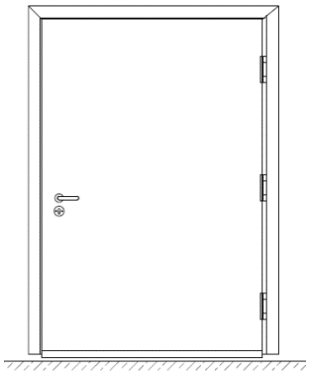
Symbol / Abbreviation	Meaning
	Components marked with the symbol must be aligned/fitted horizontally
	Align/fit vertically
FF	Finished floor level
CH	Clear height
CW	Clear width

2.2 Instructions before fitting starts

Before actual fitting of the door can start, we recommend that you carry out the following steps in order to ensure that everything goes smoothly:

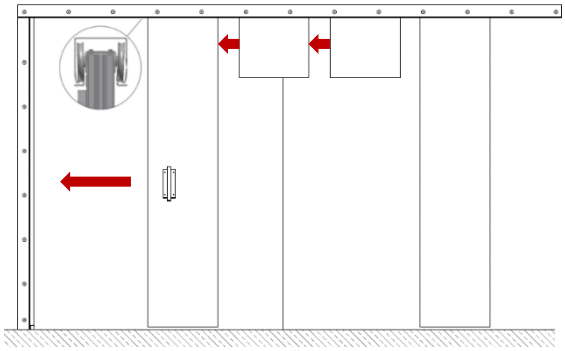
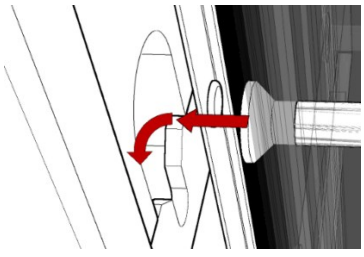
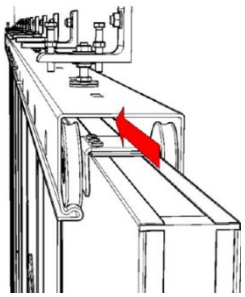
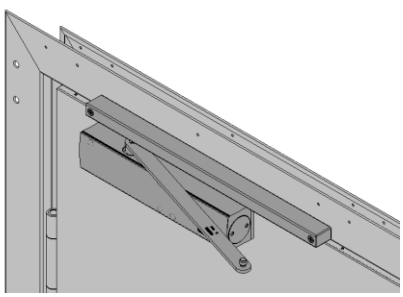
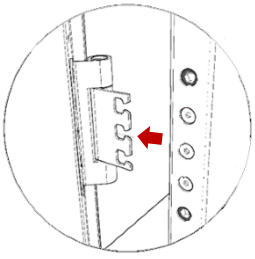
1. Read through the full installation instructions
2. Identify door’s stop side
3. Check the ordered dimensions of the door against the structural reality.
4. It is recommended that you carry out fitting in the precise order set out below or discrepancies may occur. The manufacturer is not liable for any installation errors.

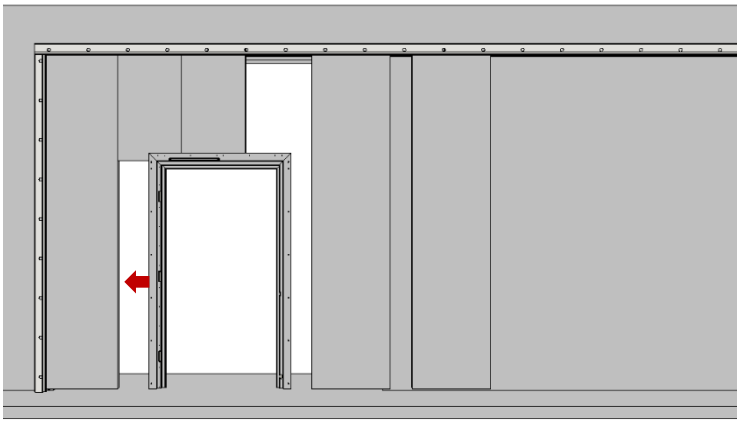
2.3 Variants

Wicket without threshold	Wicket with threshold
	

2.4 Fitting the door leaf with wicket

2.4.1 Door leaf, fitting the wicket

	1. Insert door elements in guide rail at top one after the other. Start with the highest number (door handle) 2. First of all, **only** hook in fixed section(s) and panel next to wicket hinges
 	3. The three/two elements are connected to each other using a push-fit system 4. The three/two elements are hooked into the next element one after the other from the top
 	Detach frame from wicket leaf: 5. Detach runner from door closer 6. Undo the three middle screws for the hinge cups and remove wicket from frame



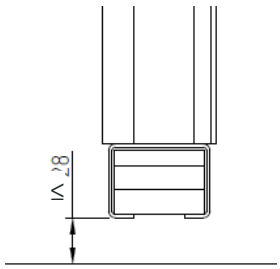
7. Put frame in, see working drawing for position of hinge side and lock side

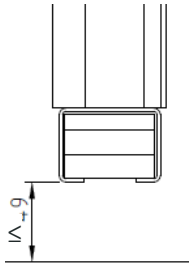
For version without smoke protection/S_a version:

For S_{200} version:

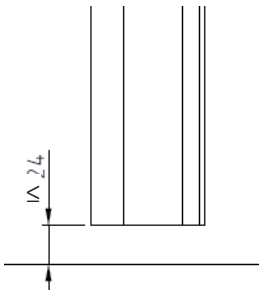
8. Adjust frame height as shown in illustration

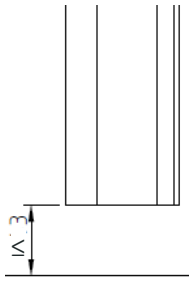
With threshold:

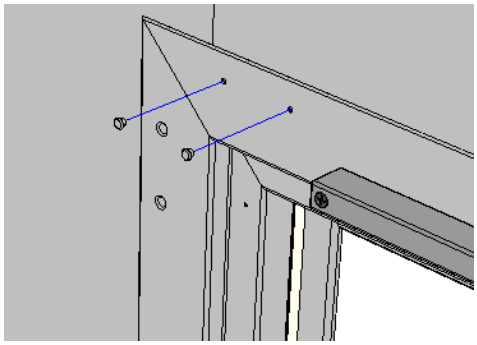




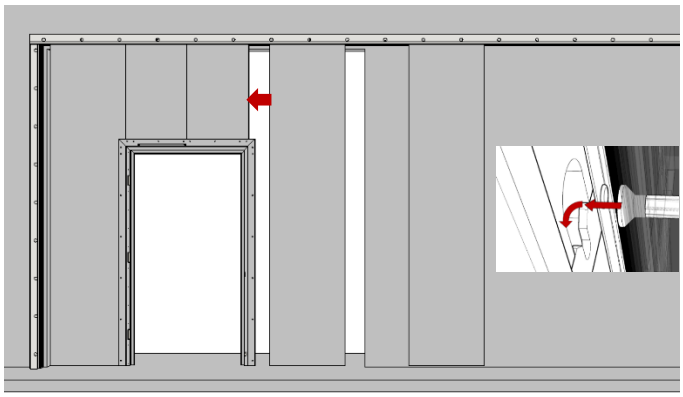
Without threshold:



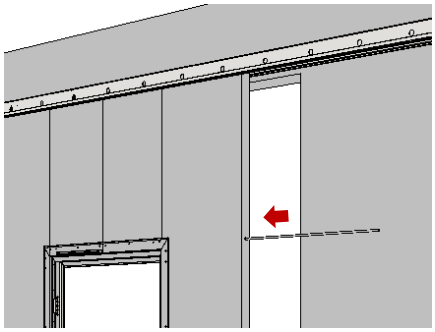


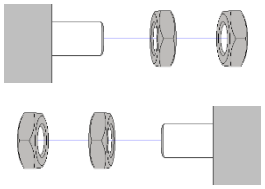


9. Only set the top two ø4 blind rivets on both sides of **hinge side**



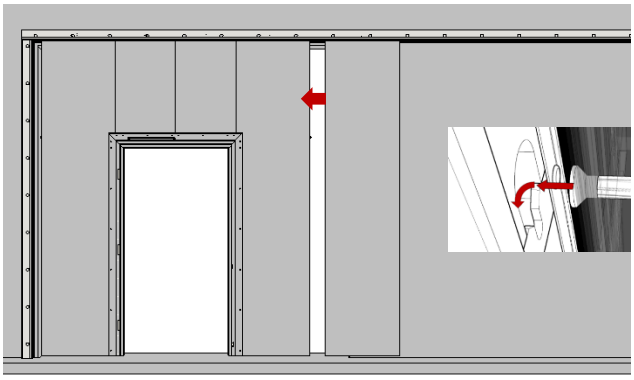
10. Connect element next to wicket using push-fit system



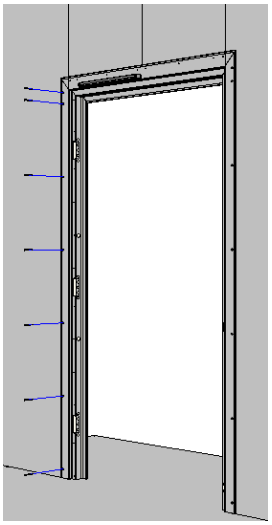


Wickets without threshold only:

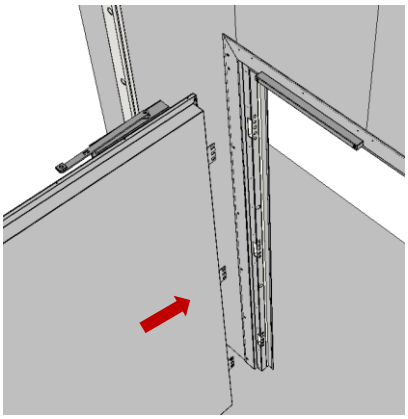
11. Insert threaded rod
12. Align elements
13. Secure and lock both sides with two nuts
14. Cut threaded rod off immediately after nut

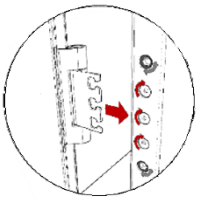


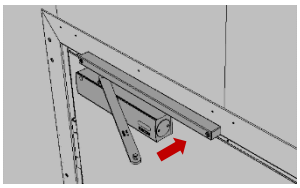
15. Connect all remaining elements, if any, for labyrinth side/lead-in side using push-fit system
16. Connect all remaining elements, if any, for labyrinth side/lead-in side using push-fit system
17. Align door leaf vertically



18. Align frame on **hinge side** and include **5 mm** of prestressing
19. Fix frame in place on both sides on **hinge side** (**countersunk self-tapping screw ø4.8x50**)



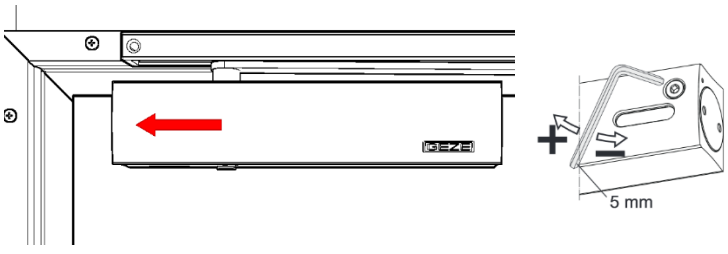


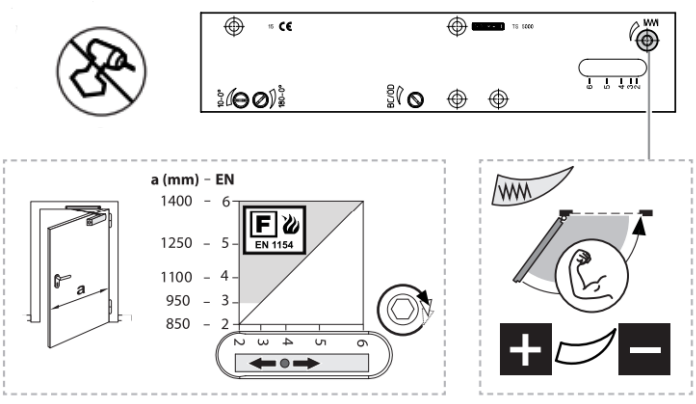


Hang wicket:

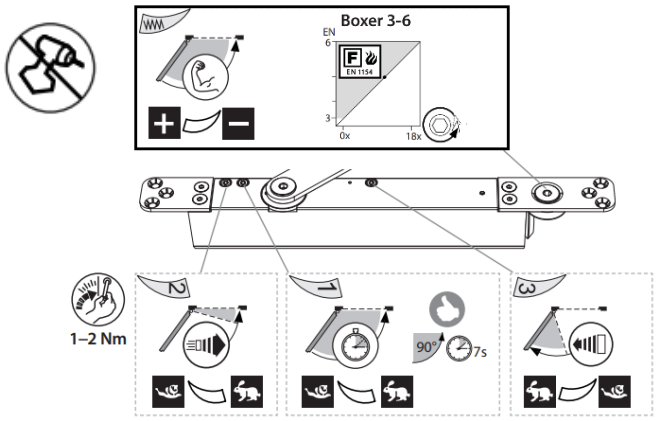
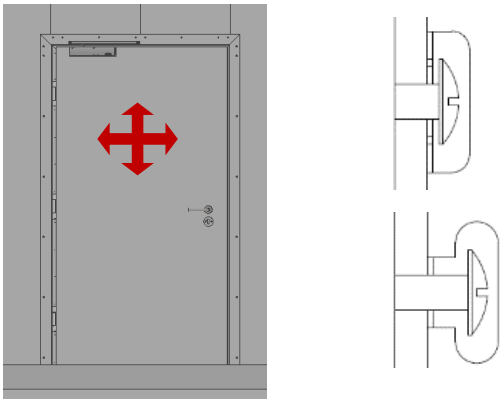
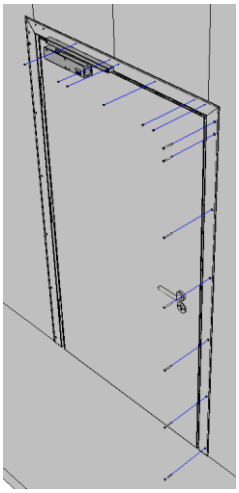
20. Insert hinges in frame’s hinge pockets
21. Tighten the three middle screws
22. The two outer screws can be used for fine adjustment
23. Hook runner in

Overhead door closer:





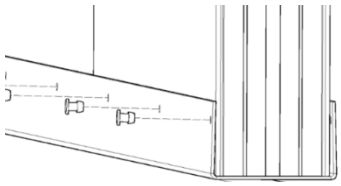
24. Press cover lightly and push to side
25. Adjust door closer **manually** using setscrew. See diagram for precise setting

Internal door closer:	
	26. Open wicket 27. Adjust **manually** using door closer’s setscrews (see illustrations)
	28. Align frame with wicket 29. Make sure that the round-head screws in the case of S_a and the locks in the wicket in the case of S_{200} are centred in relation to the cutouts in the frame
	30. Fix frame in place at top from both sides (**blind rivet ø4**) 31. Fix frame in place from both sides on lock side (**countersunk self-tapping screw ø4.8x50**)

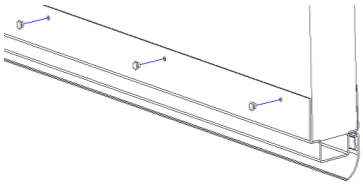
2.4.2 Floor termination

With threshold S_a/S_{200}, without threshold S_a

S_a version:

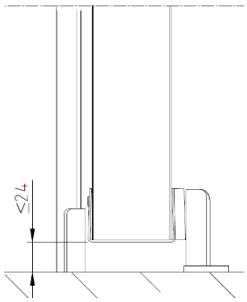


S_{200} version:

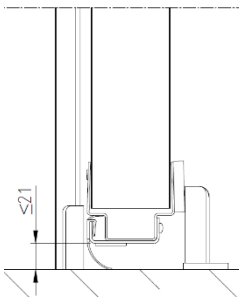


32. Align end cover
33. For without threshold S_a left and right next to frame only, under wicket is omitted (approx. **2 mm** gap between frame and end cover)
34. Comply with floor gap (see next illustration)
35. Rivet to door element (**blind rivet Ø4x10**)

For version without smoke protection/S_a version:



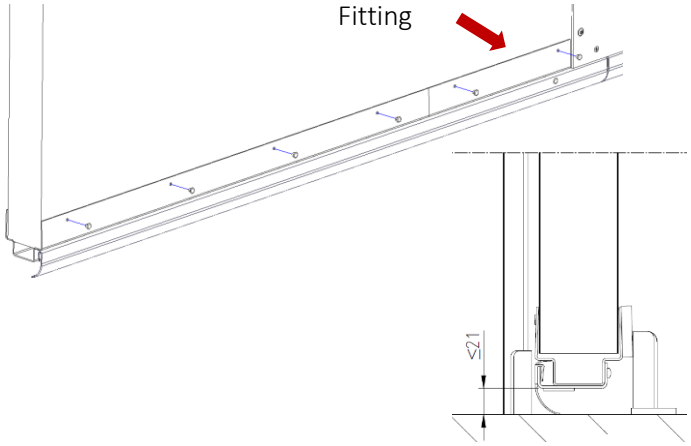
For S_{200} version:



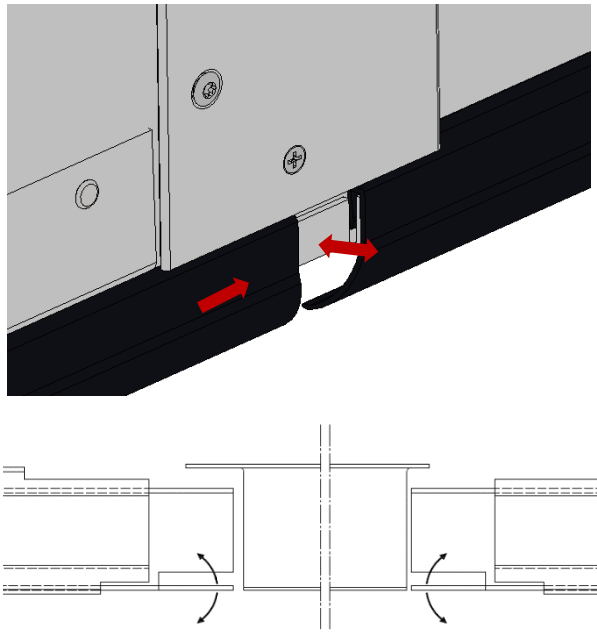
36. The end cover is different for the version without smoke protection properties/S_a version and the S_{200} version
37. It is imperative that the floor gap dimensions are complied with!

Without threshold S_{200}:

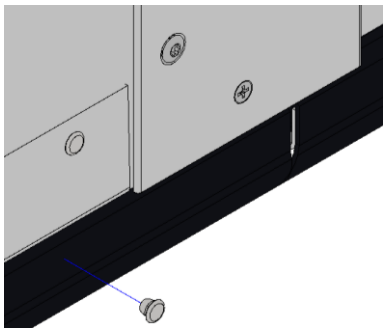
Seen from **wall side**:



38. Align fitting pieces and end cover (approx. **2 mm** gap between frame and fitting pieces)
39. Comply with floor gap (see illustration)
40. Rivet to door element (**blind rivet Ø4x10**)

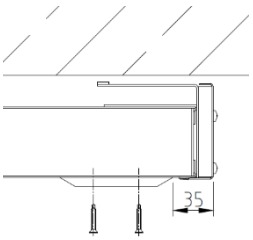


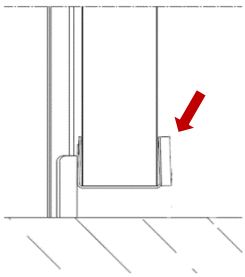
41. Move door seal so that there is only a max. 2 mm gap between the two seals
42. To ensure that the sealing plane is not interrupted at the floor in the case of S_{200} doors (without threshold), the seal receivers must be adjusted in such a way that the seals run in one plane



43. Secure seal right and left next to wicket approx. **100 mm** away from receiver
(**blind rivet ø4**)

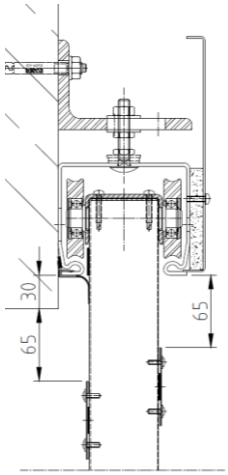
2.4.3 Runner

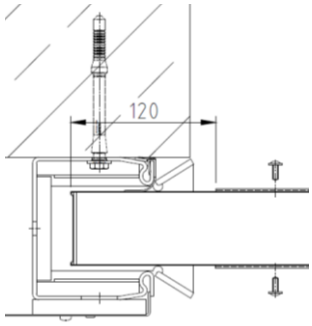




44. Align runner flush with end cover
45. Comply with dimensions (see illustration)
46. Fix runner in place
(**2 x countersunk self-tapping screw ø3.9x25**)

2.4.4 Cleats ($EI_2$90 closures only)





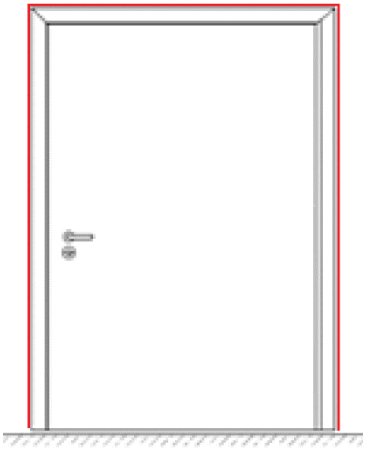
47. Align cleats horizontally
48. Comply with dimensions (see illustrations)
49. Screw together in all holes (**flat-head self-tapping screw ø4.2x13**)

Continue fitting the door from *Fitting the wall labyrinth, floor guide…*.

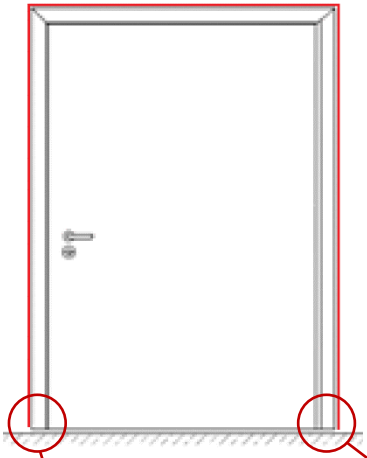
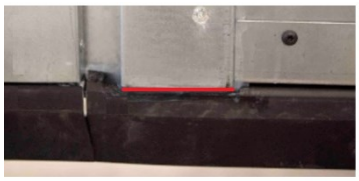
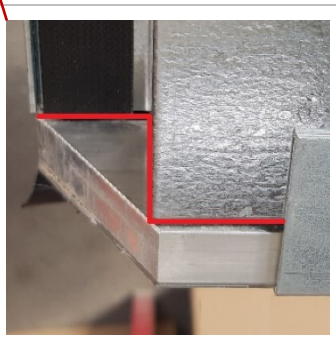
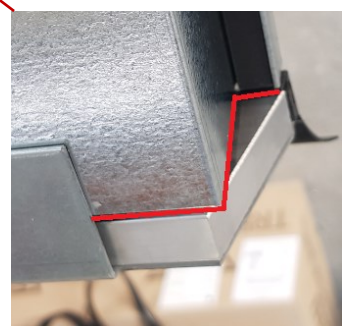
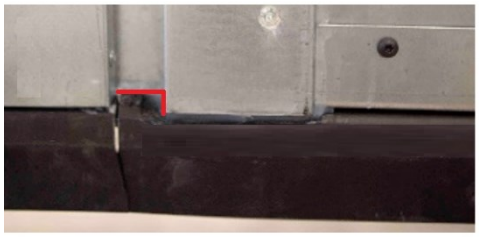
2.5 Sealing (S_{200} only)

To comply with **S_{200} requirements**, the wicket must be sealed using a non-shrink method as well. This must be done after installation of the door has been completed. A distinction is made between out of reveal and into reveal:

Out of reveal:



50. The frame must be sealed to the door leaf on three sides on the **opposite hinge side**
51. The frame must be sealed to the door leaf at the bottom right and left on the **opposite hinge side**

Into reveal:	
 	52. The frame must be sealed to the door leaf on three sides on the **hinge side** 53. The frame must be sealed to the door leaf at the bottom right and left on the **hinge side**
 	54. Open wicket 55. Seal wicket at bottom on both sides using a non-shrink method as shown in illustration
	56. With an ‘into reveal’ wicket, the seal must be sealed on the right and left in such a way that it is in contact with the frame 57. Open wicket and seal on both sides as shown in illustration