DFM EUROPE

INSTALLATION MANUAL OF DOORS TYPE DFM DS

DS60-1, DS60-2, DS60B-1, DS30-1, DS30-2, DS30B-1, DS30B-2, DS00-1, DS00-2, DS60-1A, DS60-2A

fire resistant range EI₁30, EI₁60, EI₂30, EI₂60 and non-resistant doors

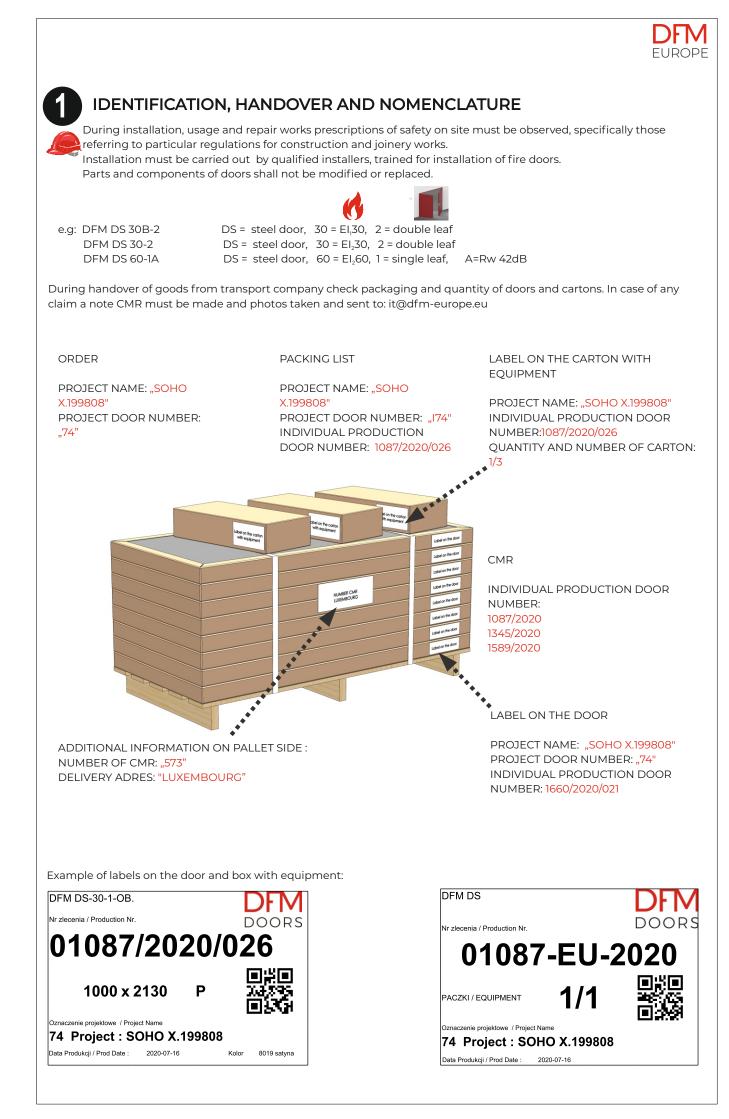
v. EN 3.4.2020

Our business model shall guarantee:

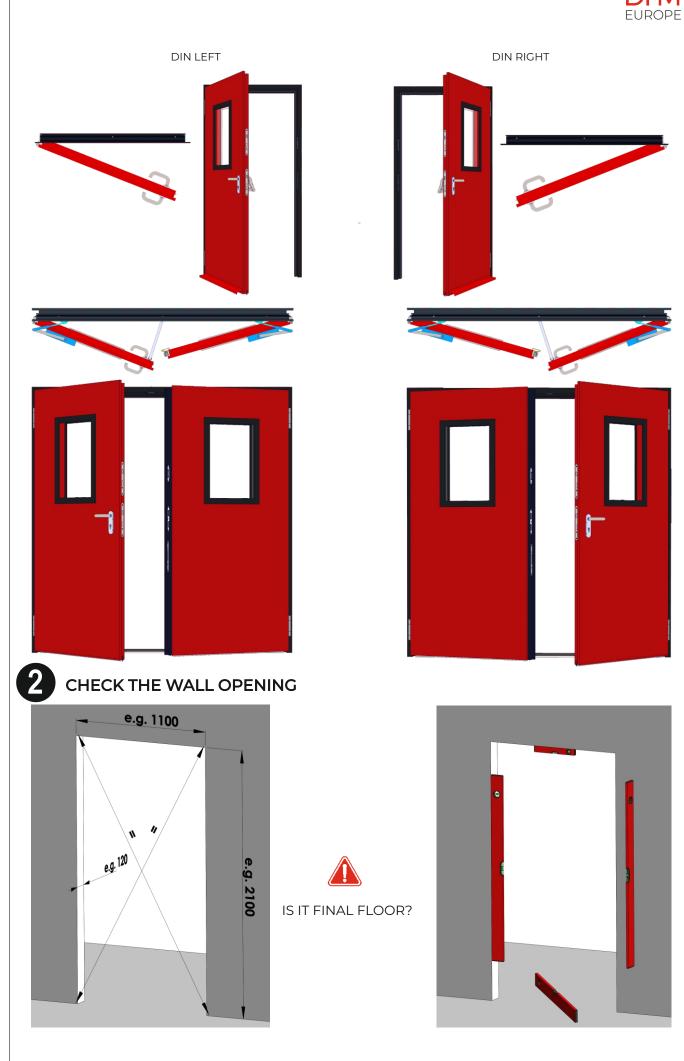
FACILITY - comfortable and customised solutions aimed at Customers' needs

TRANSPARENCY- clear business relations

BUSINESS EXPERTISE - a team of passionate professionals with "out of box " attitude









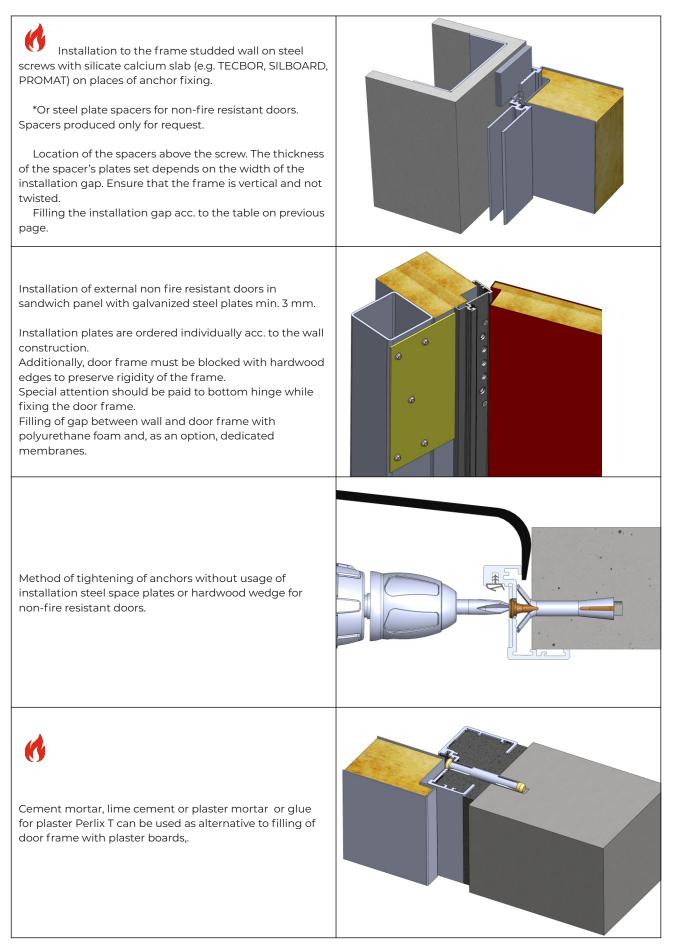
3 INSTALLATION METHODS - MAKE SURE THAT PROPER INSTALLATION MATERIAL IS APPLIED

	CORNER FRAME	EMBRACING FRAME	RECTANGULAR FRAME			
TYPE OF DOOR FRAME / TYPE OF DOOR	*	* 0.300				
CS30-1 DS30-1 DS30B-1 DS30-2 DS30B-2	Filling of gap between wall and door frame: - cement mortar, lime cement or plaster mortar - rockwoll of density min. 50kg/m3 + *fire retardant mass or cement mortar or glue - glue for plaster Perlfix T - fire resistant polyurethane foam SOUDAFOAM FR and silicate calcium band on places of anchor fixing + *fire retardant mass FIRE SILICON B1 FR for smokeproof doors.	Filling of gap between wall and door frame: - cement mortar, lime cement or plaster mortar - rockwoll of density min. 50kg/m3 + *fire retardant mass or cement mortar or glue - glue for plaster Perlfix T - fire resistant polyurethane foam SOUDAFOAM FR and silicate calcium band on places of anchor fixing + *fire retardant mass FIRE SILICON B1 FR for smokeproof doors.	Filling of gap between wall and door frame: - cement mortar, lime cement or plaster mortar - rockwoll of density min. 50kg/m3 + *fire retardant mass or cement mortar or glue - glue for plaster Perlfix T - fire resistant polyurethane foam SOUDAFOAM FR and silicate calcium band on places of anchor fixing + *fire retardant mass FIRE SILICON BI FR for smokeproof doors. Filling of door frame: - plaster boards type A or F 9.5÷12.5mm - cement mortar, lime cement or plaster mortar - glue for plaster Perlfix T - fire resistant polyurethane foam and silicate calcium band on places of anchor fixing (except smoke doors)			
0560-1 D5608-1 D560-2 D560-1A D560-2A	Filling of gap between wall and door frame: - cement mortar, lime cement or plaster mortar - rockwoll (not allowed for DS60B-1) of density min. 50kg/m3 + *fire retardant mass or cement mortar or glue - glue for plaster Perlfix T	Filling of gap between wall and door frame: - cement mortar, lime cement or plaster mortar - rockwoll (not allowed for DS60B-1) of density min. 50kg/m3 + *fire retardant mass or cement mortar or glue - glue for plaster Perlfix T	Filling of gap between wall and door frame: - cement mortar, lime cement or plaster mortar - rockwoll (not allowed for DS60B-1) of density min. 50kg/m3 + *fire retardant mass or cement mortar or glue - glue for plaster Perlfix T Filling of door frame: - plaster boards type A or F 9.5÷12.5mm - cement mortar, lime cement or plaster mortar - glue for plaster Perlfix T In the case of doors classified according to smoke resistance, the gap between the frame and the wall, filled with rockwool, must be additionally insulated with gypsum mortar, cement mortar, cement and lime mortar, gypsum adhesive Perlfix (Knauf) or fire retardant silicone sealant FIRE SILICON BI FR			
DS00-1 DS00-2	Filling of gap between wall and door frame: cement mortar, lime cement or plaster mortar, glue for plaster Perlix T or olyurethane foam					
Wall requirements	Installation in walls of fire resistance according to EN 13501-2:2016, not less than EI 30 for DS30-1, DS30B-1, DS30-2, DS30B-2, and EI60 for DS60-1, DS60B-1, DS60-2, DS60-1A, DS-60-2A.					
Requirements for the dimensions of the mounting gap	G ≤ 20 мм (S _a , S ₂₀₀ , GAP ≤ 8 мм)	G ≤ 20 мм (S₂, S₂оо, GAP ≤ 8 мм)	G ≤ 20 мм (S _a , S ₂₀₀ ,GAP ≤ 15 мм)			
Standard mounting gap	Gst = 7мм	Gst = 7мм	Gst = 10мм			

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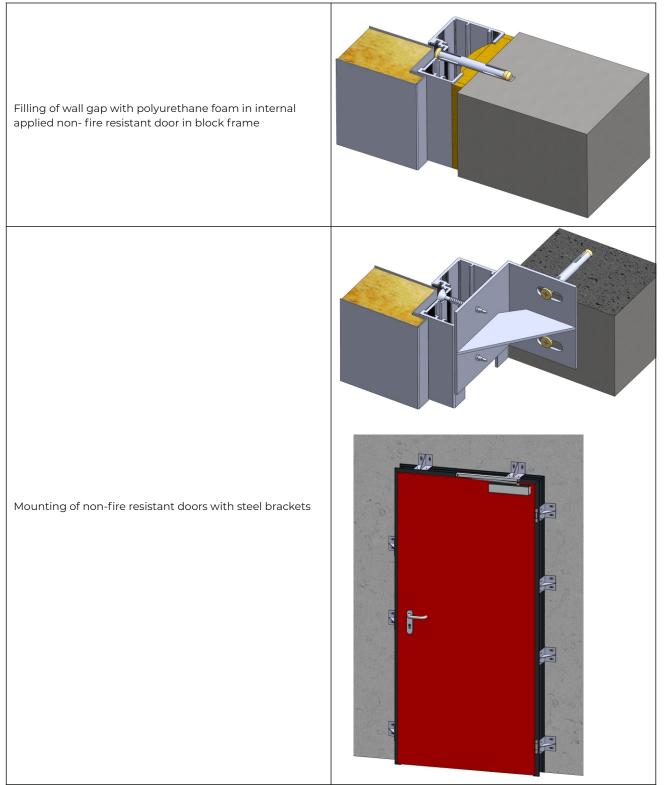


EXAMPLES OF METHODS OF FIXING FRAMES. CHECK COMPLIANCE WITH APPROPRIATE CERTIFICATE





3.2 CONTINUATION. EXAMPLES OF METHODS OF FIXING FRAMES. CHECK COMPLIANCE WITH APPROPRIATE CERTIFICATE



FIXING AND FILLING MATERIALS ARE NOT INCLUDED IN DELIVERY.



IN CASE HARDWOOD WEDGES ARE USED TO PRESERVE THE FRAME RIGIDITY, THEY ARE NOT TO BE TAKEN OUT AFTER INSTALLATION AND FILLING OF THE INSTALLATION GAP. HARDWOOD WEDGES ARE ALLOWED ONLY FOR NON-FIRE RESISTANT DOORS.





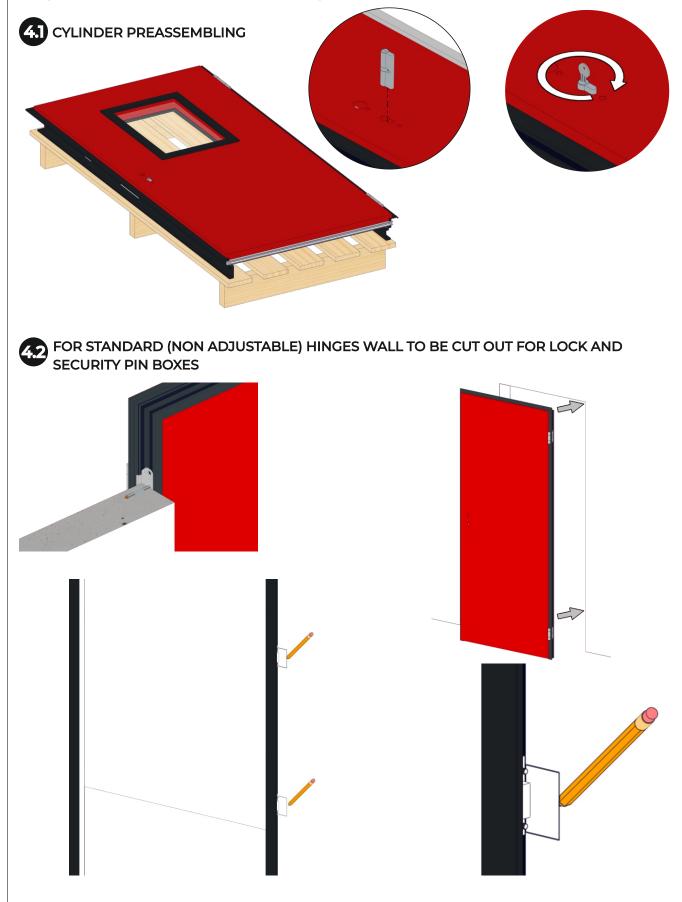
type of frame /	ATTENTION ! DON'T USE ANY PLASTIC ELEMENTS FOR FIXING FIRE DOORS !		NON RESISTANT DOORS		
type of wall	corner or embracing frame	rectangular frame	corner or embracing frame	rectangular frame	
Sandwich frame wall of total thickness not less than 100mm for DS30-1, DS30B-1, DS30-2, DS30B-2 and 125 mm for	steel self-drilling screws of size not less than Ø6,3x50mm	steel self-drilling screws of size not less than Ø6,3x85mm	steel self-drilling screws of size not less than Ø6,3x50mm	steel self-drilling screws of size not less than Ø6,3x85mm	
DS60-1, DS60B-1, DS60-2, DS60-1A, DS60-2A. constructed of 12,5 mm gypsum plaster boards type F or DF according to EN 520+A1:2012, filled in with rockwool of density not less than 30 kg/m3 laid in supporting construction of steel					
	steel anchors of size not less than Ø10x92mm	steel anchors of size not less than Ø10x132mm	steel anchors of size not less than Ø10x92mm	steel anchors of size not less than Ø10x132mm	
- Concrete or reinforced concrete - Masonry wall of full					
brick or concrete blocks - Wall of hole bricks or aerated concrete blocks			Dowel screw AST of size not less than Ø10x100mm	Dowel screw AST of size not less than Ø10x135mm	



PRELIMINARY ACTIVITIES

Since the weight of the leaves or/and dimentions of doors are significant, double-leaf doors sometimes are supplied in parts, frame and leaves separately.

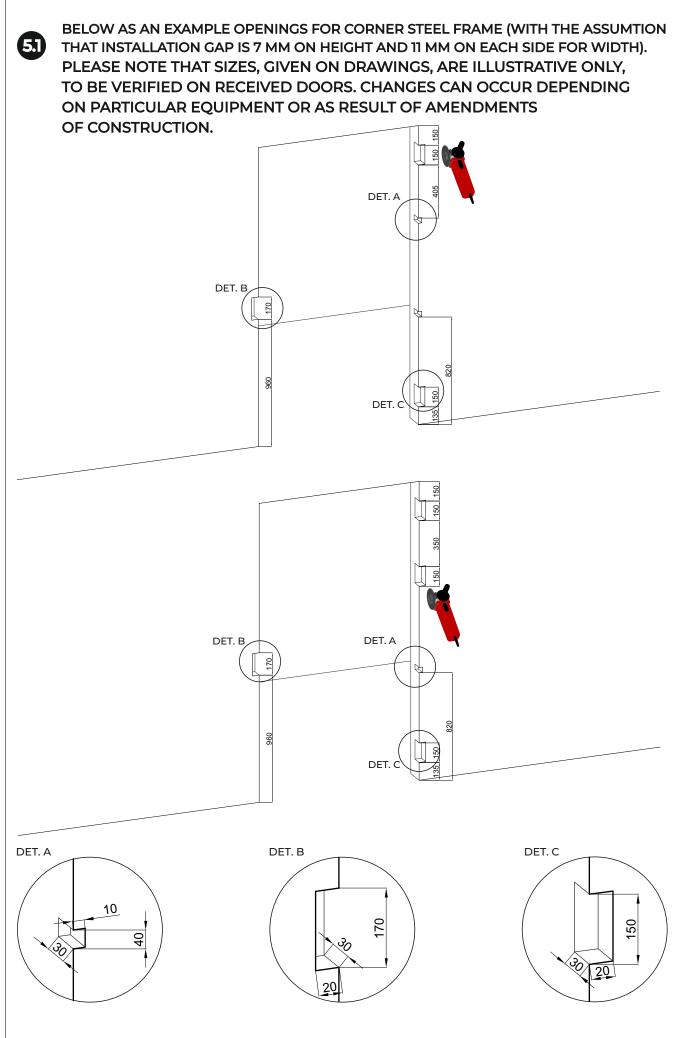
Single doors are supplied as a set, frame and leaves together.

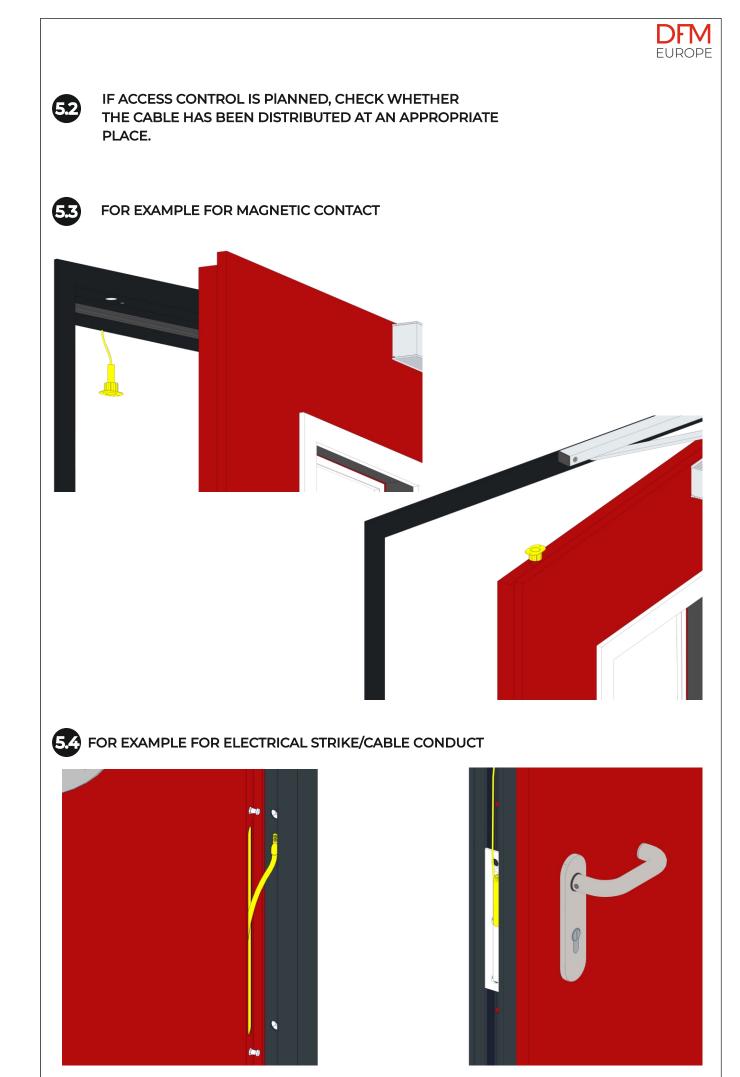






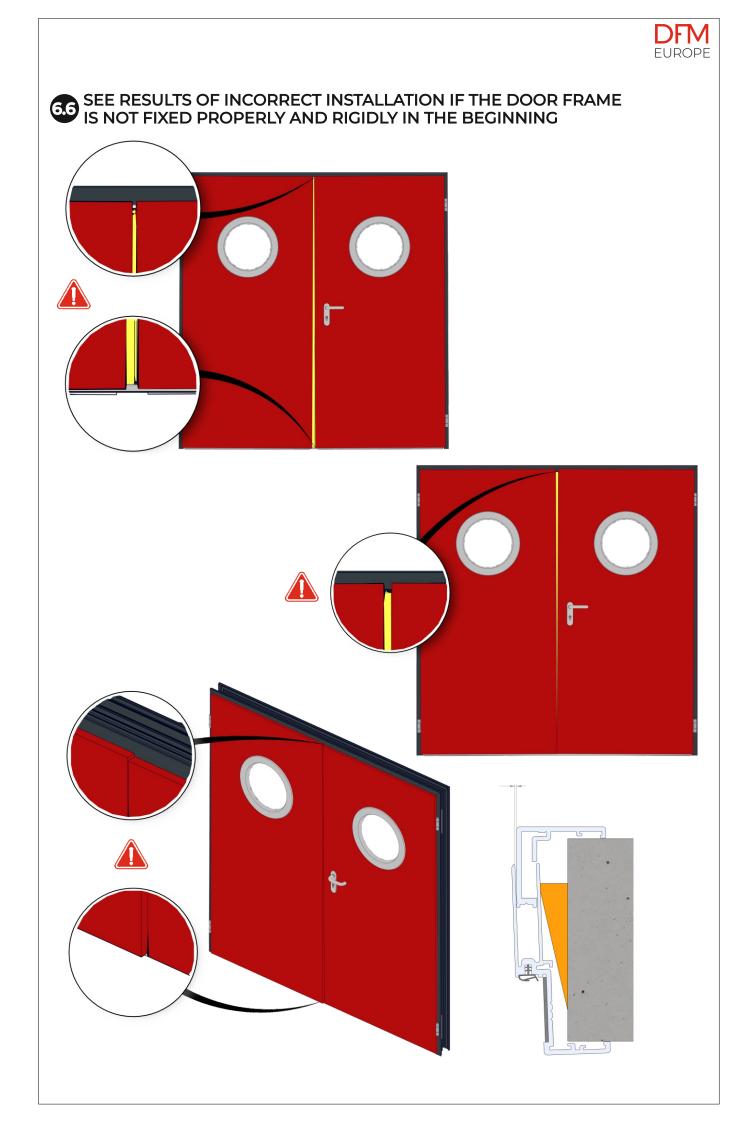


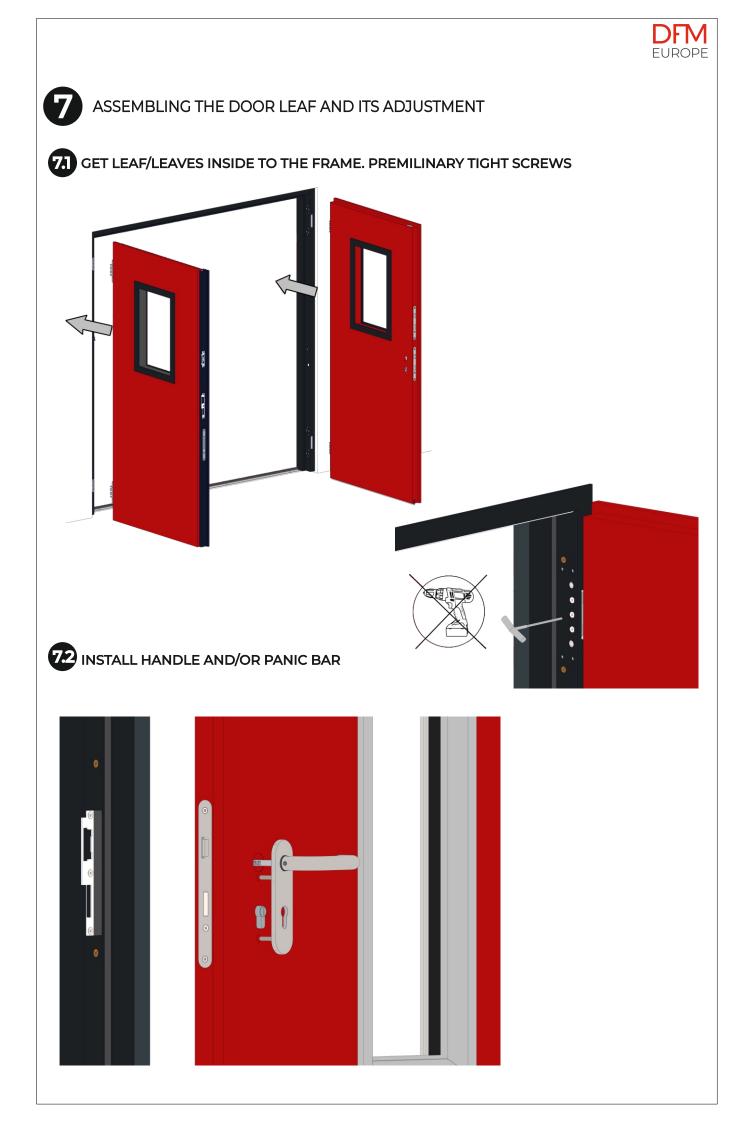


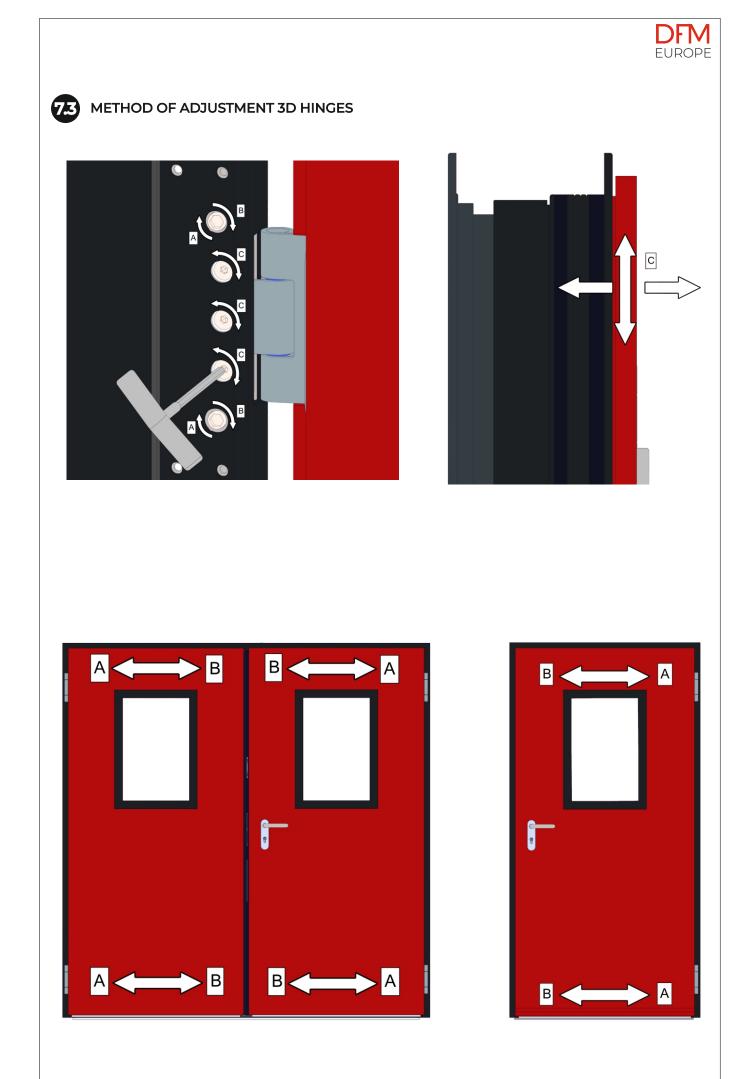


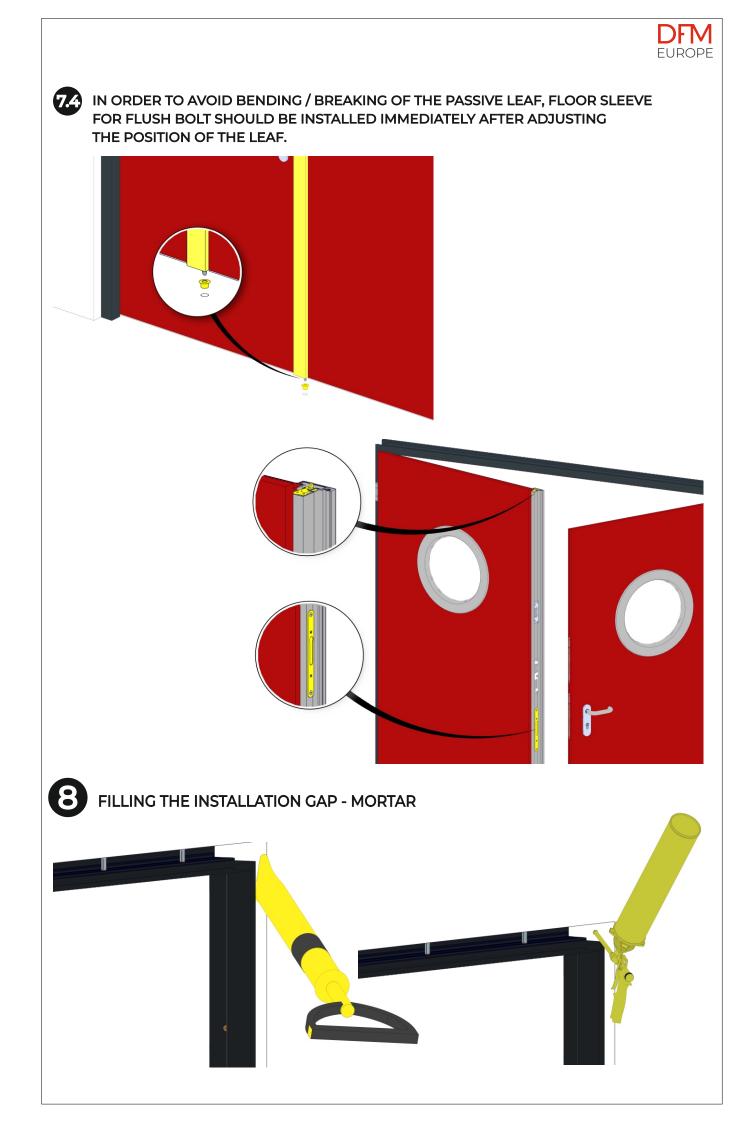


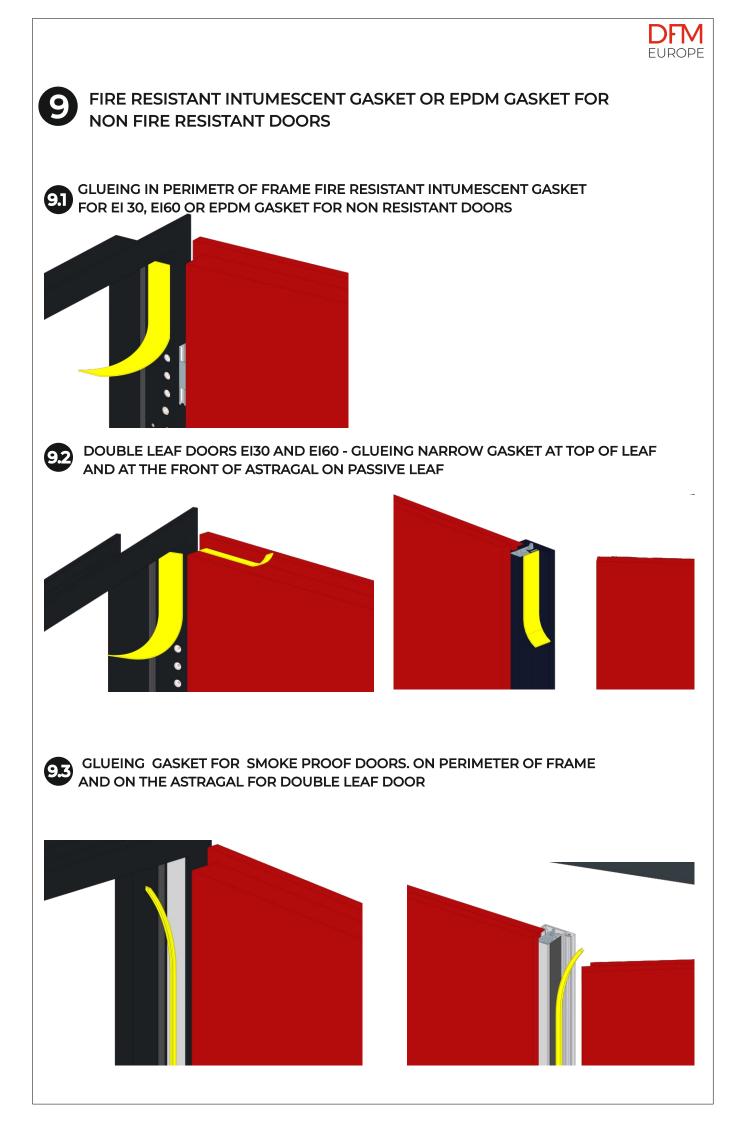




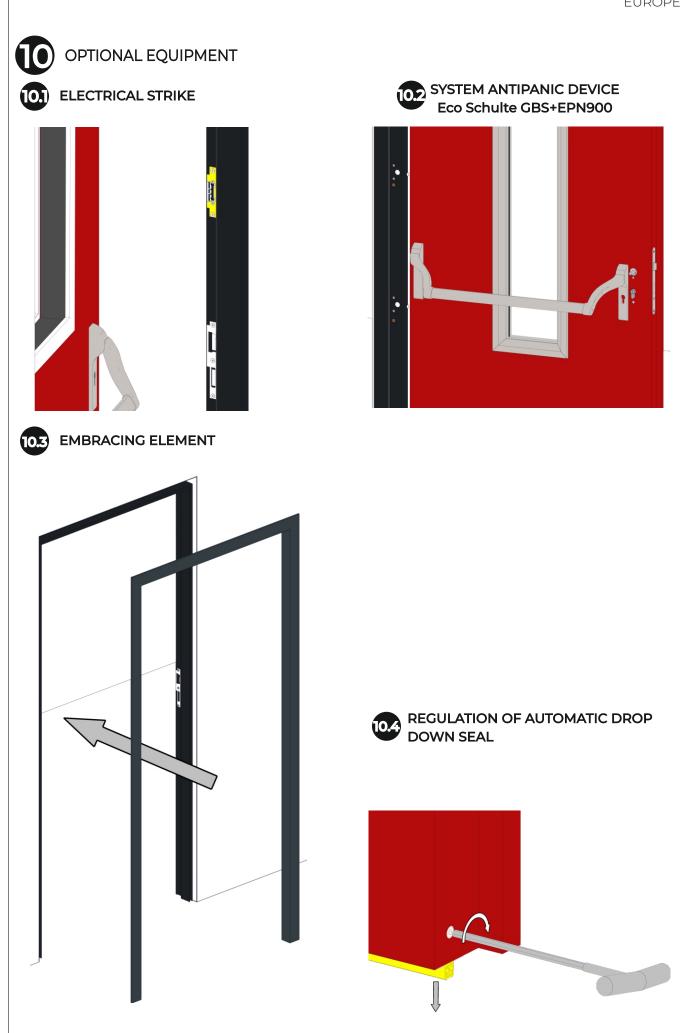


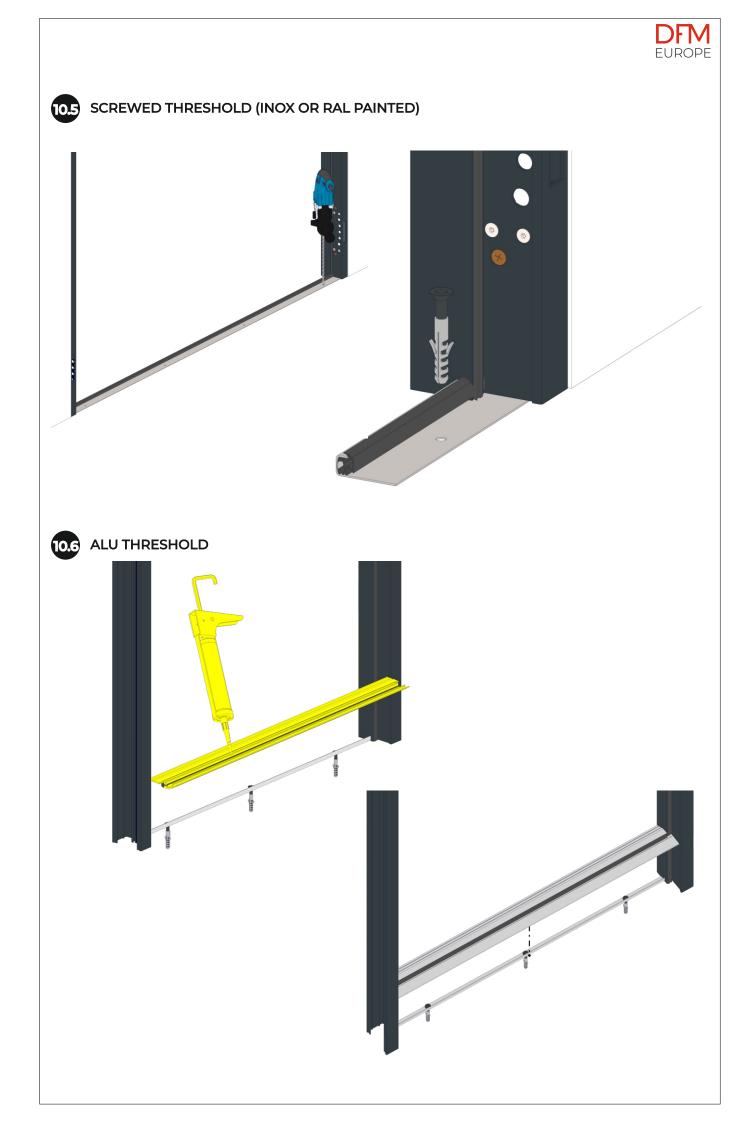


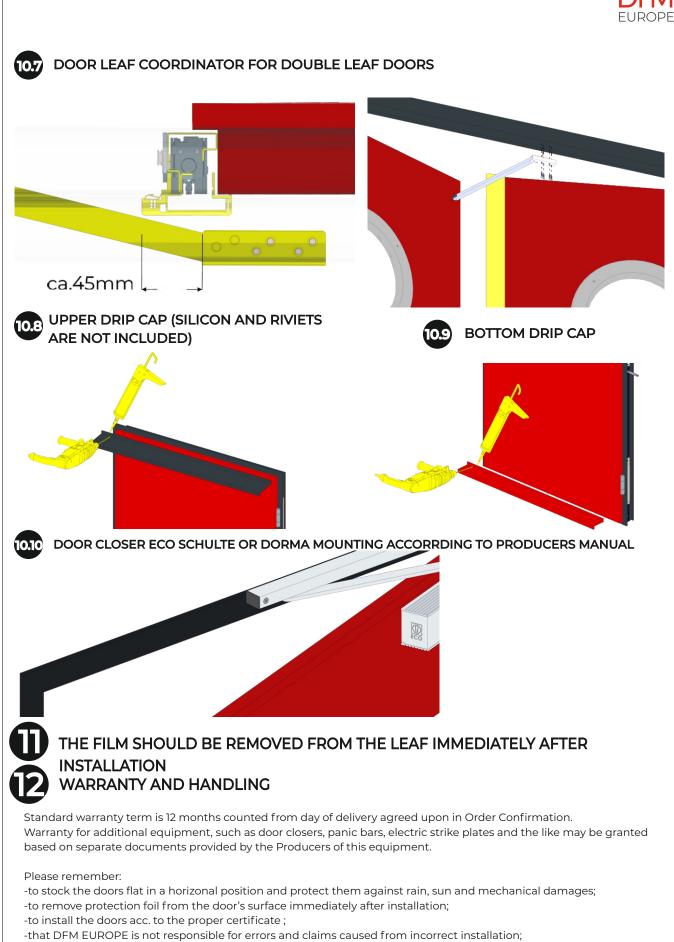












-to keep DFM warranty maintain the doors and fittings min. each six months;

-each fault must be repaired immediately;

-do not clean doors and equipment with agrresive fluids, it could cause corrosion even on stainless steel elements;

The guarantee of DFM Europe Sp. z o.o is defined in General Conditions of Sale published on dfm-europe.eu, or in Order Confirmation.