

PARTS OF THE CERTIFICATION:
GLASS AND VISION PANELS
PANELLED DOORS
RENOVATION
EXPOSED LIPPINGS
ACOUSTIC
ANTI-BURGLAR
GRILLS, DAMPERS AND METAL FRAMES



Doorsolutions Ltd
Blancquaertsveld 4
B-9290 Berlare

P + 32 (0) 52 43 01 04
F + 32 (0) 52 43 01 06

info@doorsolutions.be
www.doorsolutions.be

www.pyrado.be

Doorsolutions: The door re-invented!

The door reinvented!

Doorsolutions is a young company with much experience in developing and testing technical bespoke doors.

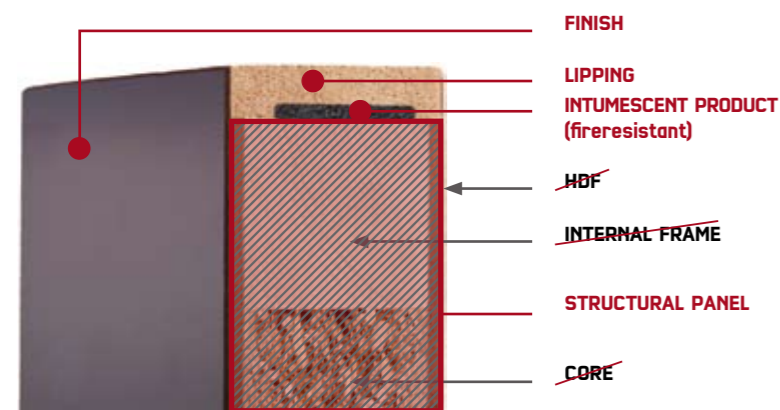
Doorsolutions offers a broad range of internal doors, with complete functionality.

- Fire-rated doors
- Fire-rated doors with vision panels
- Acoustic doors
- Anti-burglar security doors
- Climate doors
- X Ray doors
- Ordinary doors with vision panels

DISCOVER OUR INNOVATIVE TECHNOLOGY!

Doorsolutions is specialized in the fabrication of internal doors with an additional functionality (fire-rated, acoustic, anti-burglar, ...) and had therefore developed a very unique door concept. Using our innovative structural panel, we reach the highest European standards.

This new development concerning our door concept has not previously existed and has a unique composition. There's no need for an internal frame or MDF-facings. There's no longer a need for an internal frame in the door, the stability is taken over by a structural panel, which performs in a superior manner. Faces such as HDF, MDF or Ply are no longer required as the structural panel provides a suitable surface for a good finish. . These innovative concepts have a very specific added-value because doors are easier and faster to produce and deliver. There's a high flexibility on sizes.



BENEFITS

- FLEXIBILITY ON SIZE
- FLEXIBILITY ON DELIVERY
- FLEXIBILITY ON FUNCTIONALITY
- FAST DELIVERY BY INNOVATIVE CONCEPT



> It's very clear that our way of producing doors, is superior for managing different sizes.



TECHNICAL SPECIFICATIONS / REQUIREMENTS

HYGROTHERMAL PERFORMANCE				
PERFORMANCE LEVEL	SIDE 1		SIDE 2	
	T ₁ (°C)	RV (%)	T ₂ (°C)	RV (%)
Ha	23 ± 2	30 ± 5	18 ± 2	50 ± 5
Hb	23 ± 2	30 ± 5	13 ± 2	65 ± 5
Hc	23 ± 2	30 ± 5	3 ± 2	85 ± 5
Hd	23 ± 2	30 ± 5	-15 ± 2	-
He	20 - 30	-	T ₁ + 55 ± 5	-

GENERAL FLATNESS			
TOLERANCE CLASS	A	B	C
V1	8	8	4
V2	4	4	2
V3	2	2	1

MECHANICAL RESISTANCE CLASS				
	M1	M2	M3	M4
DOWNWARD DEFORMATION	400 N	600 N	800 N	1000 N
STATIC TORSION	200 N	250 N	300 N	350 N
HEAVY SOFT BODY IMPACT	30 j	60 j	120 j	180 j
HARD BODY IMPACT	1,5 j	3j	5j	8j
SCREW RESISTANCE	2251 Newton (on the hingescrews)			

RESISTANCE TO REPEATED OPENING AND CLOSING	
CLASS	# CYCLES
F1	5.000
F2	10.000
F3	20.000
F4	50.000
F5	100.000
F6	200.000
F7	500.000
F8	1.000.000



The results of the Doorsolutions development of fire rated doors incorporates new, innovative materials reaching the highest levels of performance to European norms and standards such as EI, 30 (Fire resistance 30 minutes) + EI, 60 (Fire resistance 60 minutes).

- Benor/ATG NBN-EN-1634-1



Acoustic doors of Doorsolutions are available in every sound reduction index (Rw), even with fire resistance.

- ISO WTCB AC 4547/4553/4635/4634



Anti-burglar doors of Doorsolutions, has the perfect solution to solve the security problem!

- NBN-EN-1627 - TCHN PV 8219



A 3 layer particleboard blank incorporating hardwood lippings - these doorblades can be finished with paint or foil, laminate or veneer.

- STS53 - TCHN PV 5600

LAMINATE- & VENEERPOSSIBILITIES + LIPPINGS

The door can be covered with laminate, against intensive activity. These are resistant against scratches and chemical attack. The laminate can covers the hardwood lippings. Different kinds of grooves between lip and core are possible. Doorsolutions has permanent 50 different kind of veneers in stock. Crown cut, quarter cut or other cutting-techniques. The edges of the doorblades can be finished with 2,3 or 4 lippings of different types, thickness 8,14 or 20 mm. The wood choice is free.

MODELS

- Paint doors
- Laminated doors
- Veneered doors

