




Universal STC 45mm

Fire Rated Banded Mineral Core Blanks

Universal STC 45mm is a mineral component internal door blank manufactured from high density mineral stiles and rails with a low density mineral core – this being a banded core. The Customer then applies approved Crossbands (usually HDF or hardwood plywood) before then veneering or finishing the door.



Fire Rating FD90 - BS

Tested in Accordance with:	BS 476: Part 22		
Maximum Approved Sizes* <small>* Maximum approved sizes based on timber door frames. Refer to test data for full details.</small>	Single Doors	2400 x 1297mm	
		3103 x 1000mm	
	Double Doors	2400 x 1272mm	
		3050 x 1000mm	
Approved Frames	Timber Hardwood		
Approved Glazing Size	1.75m ²		
Panel Effect	Yes		
Feature Grooves	Yes		



Fire Rating 45 Min, 60 Min and 90 Mins

Tested in Accordance with:	UL 10c			
45 Minute Rating Maximum Approved Sizes*	Single Doors	2743 x 1219mm		
	Double Doors	2743 x 1219mm		
	60 Minute Rating Maximum Approved Sizes*	Single Doors		2743 x 1219mm
		Double Doors		2743 x 1219mm
90 Minute Rating Maximum Approved Sizes* <small>* Maximum approved sizes based on timber door frames. Refer to test data for full details.</small>	Single Doors	2743 x 1219mm		
	Double Doors	2743 x 1219mm		
Approved Frames	Mineral Composite, Steel			
Panel Effect	No			
Feature Grooves	No			



Acoustics

Tested in Accordance with:	BS EN ISO 10140-2:2010	
Acoustic Performance	Single Doors	Unglazed 38dB/Rw
	Double Doors	Unglazed 36dB/Rw



Environmental



General Properties

Weight	36.27 kg/m ²
Density (±10%)	879 kg/m ³
Moisture Content	< 2%



Design Criteria

Lipping Glue Lines	Crossed Linked PVA
Lipping Section Details	6 mm

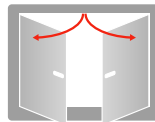
Doorset Configurations



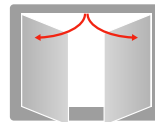
LSASD



ULSASD

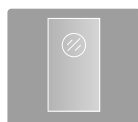


LSADD



ULSADD

Design Options



Glazing



Seals & Hardware



Seals



Hardware

Refer to relevant product third party scope data and literature for further information.

For technical guidance please contact the technical support team -

technical@halspan.com

