

building movement solutions



VEXCOLT

building movement solutions



SEAL EXPANSION JOINTS FOR PODIUMS, PARKING DECKS,
ELEVATED ROADWAYS & OTHER STRUCTURES SUBJECT TO VEHICLE LOADS

flexatec range



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multi-purpose UV-resistant seal expansion joint for internal and external floors and walls	
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seal expansion joints for podiums, parking decks, elevated roadways and other structures subject to vehicle loads	
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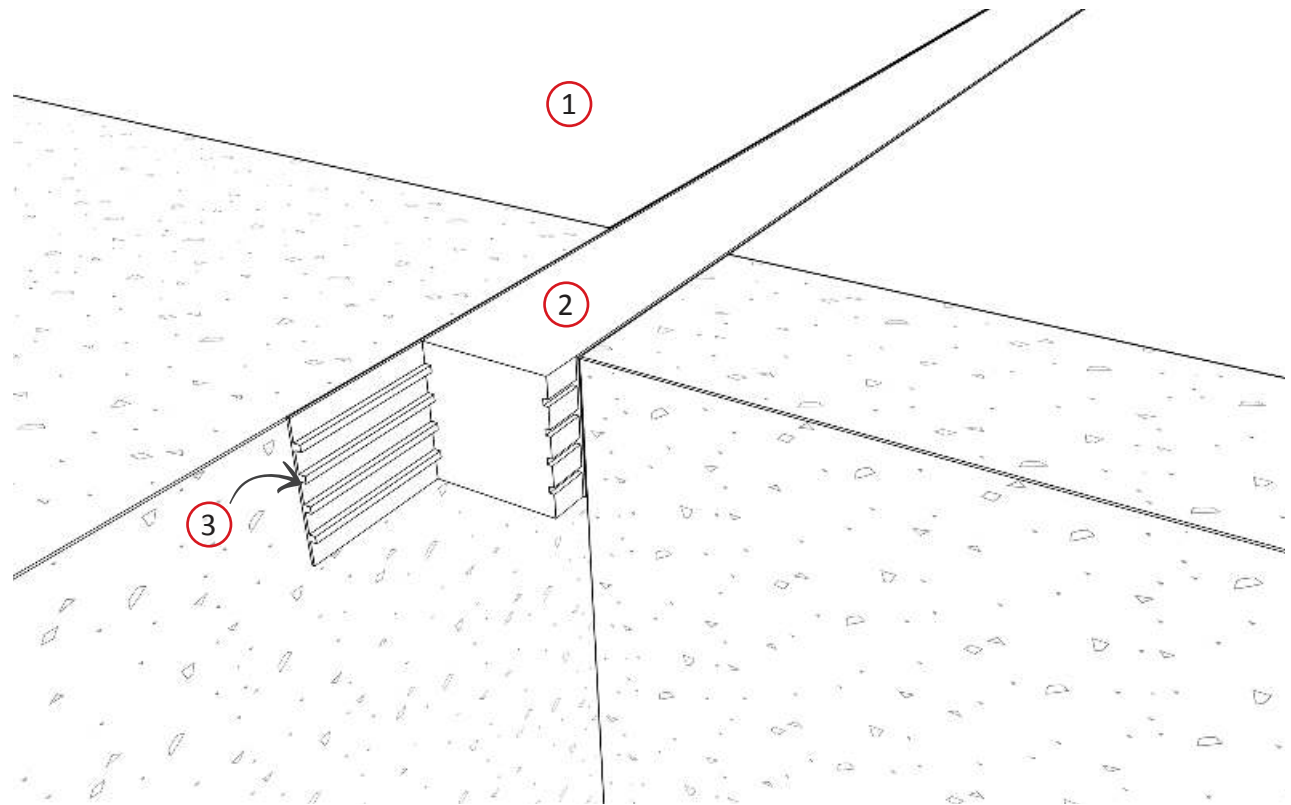


flexatec 1000

multi-purpose UV-resistant seal expansion joint
for internal and external floors and walls

Typical Components

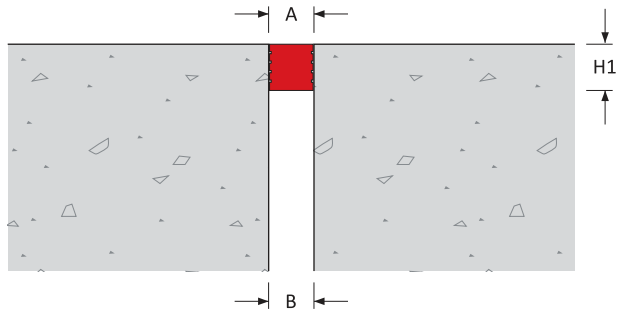
- (1) Slab or other finishes
- (2) Flexatec 1000 UV-resistant seal
- (3) High strength epoxy bonding agent



MULTI-PURPOSE SEAL EXPANSION JOINT

Floor to Floor | Floor & Wall to Wall
20 - 100 mm (3/4 - 4") Expansion Gaps

Flexatec 1000 : A01



Expansion Joint Selection Criteria

Load Rating

Product Details

Joint Location	Gap Width B (mm)	Movement Capacity (mm)		Eurocode Rating				Product Dimensions				Product Number
		±	[Total]					Height		Sightline A (mm)	Blockout C (mm)	
								H1 (mm)	H2 (mm)			
Floor - Floor Floor - Wall Wall - Wall	20	± 8	[16]					25		20		1000-A01-020
	25	± 10	[20]							25		1000-A01-025
	30	± 12	[24]							30		1000-A01-030
	38	± 15	[30]					50		38		1000-A01-038
	50	± 20	[40]		50	1000-A01-050						
	75	± 30	[60]		76	75	1000-A01-075					
	90	± 36	[72]			90	1000-A01-090					
	100	± 40	[80]		89	100	1000-A01-100					

Features

Surface

Smooth surface
Flush with finishes
Waterproof

Movement

High movement capacity
ASTM E-1399 Class I: Thermal
Class II: Wind

Traffic Frequency per day

				
-	-	≤ 100	> 25,000	> 25,000

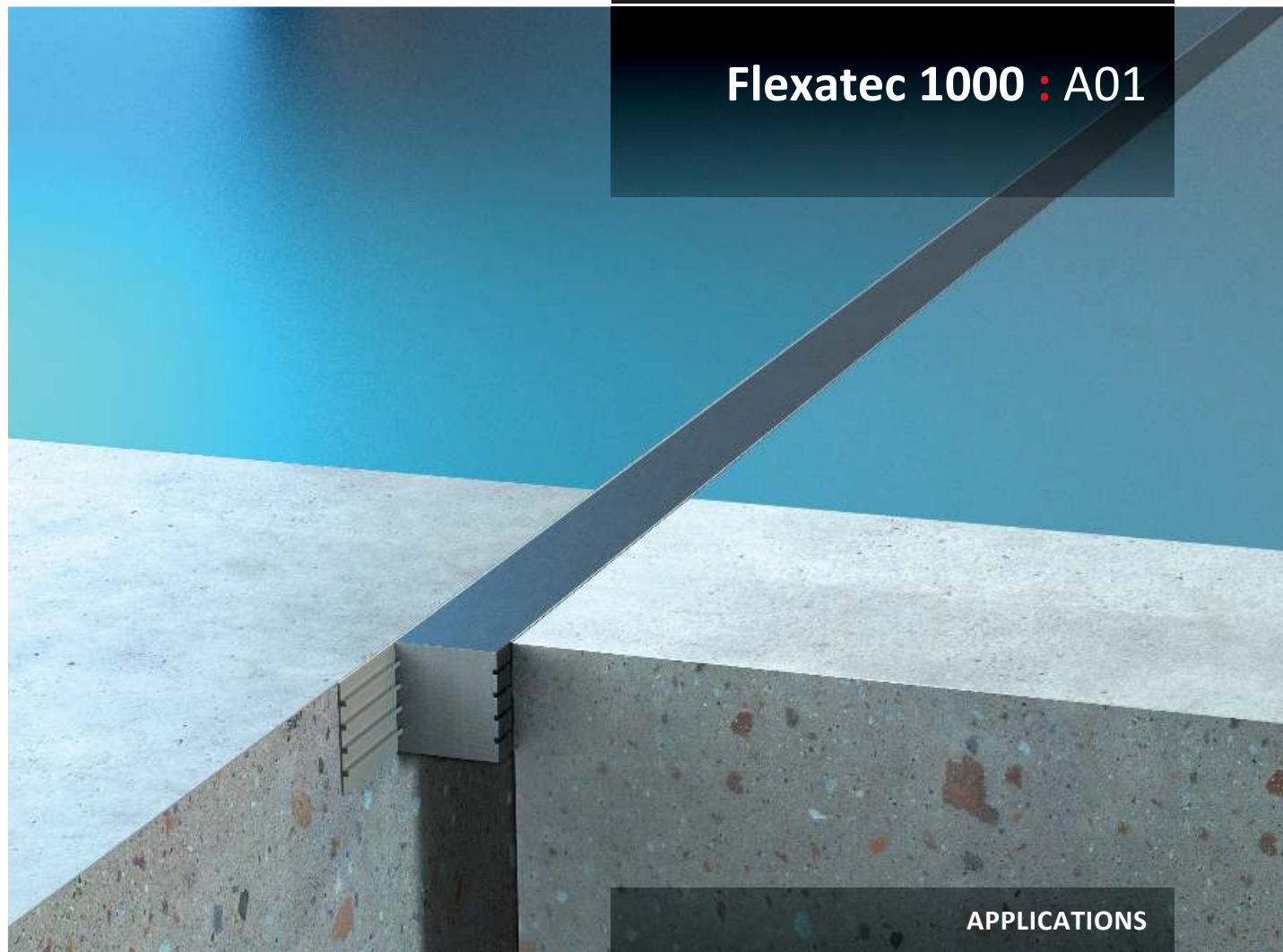
System Options

Gap width(s)	20, 25, 30, 38, 50, 75, 90, 100 mm
Height(s)	25, 50, 76, 89 mm
Metal type(s)	None
Colour(s)	Concrete Grey Black White
UV (Ultraviolet) Protected	Black
UV Sensitive	Concrete Grey White
Fire barrier	120-240 minutes
Waterproofing	Not applicable
Pre-assembly in factory	Contact Vexcolt

MULTI-PURPOSE SEAL EXPANSION JOINT

Floor to Floor | Floor & Wall to Wall
20 - 100 mm (3/4 - 4") Expansion Gaps

Flexatec 1000 : A01



APPLICATIONS

Airport Terminals | Educational | Exhibition Centres
Department Stores | Distribution & Retail Warehouses
Factories | Hospitals | Museums | Offices & Hotels
Parking | Places of Worship | Residential Buildings
Rail, Metros & Elevated Rail Stations | Roads & Bridges
Shopping Centres | Sports Stadiums | Supermarkets

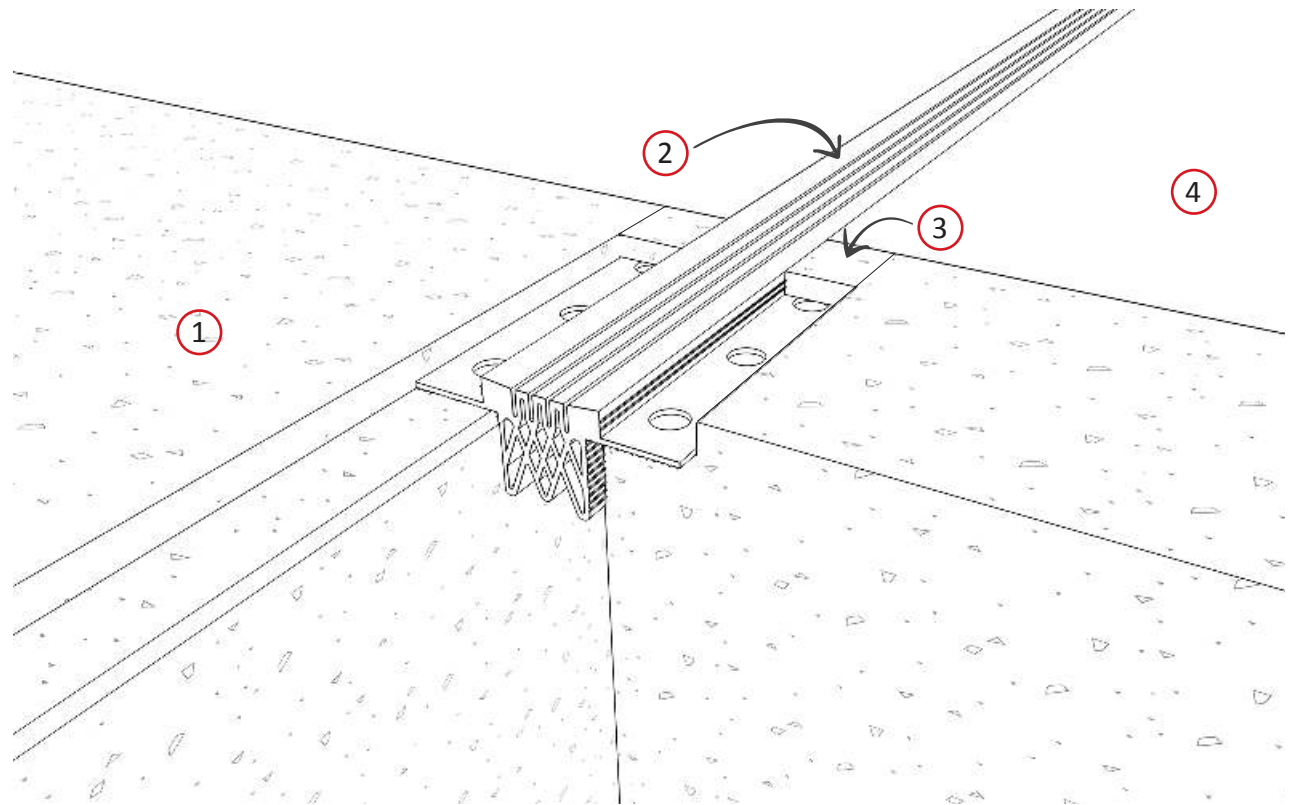


flexatec

seal expansion joints for podiums, parking decks,
elevated roadways and other structures subject to vehicle loads

Typical Components

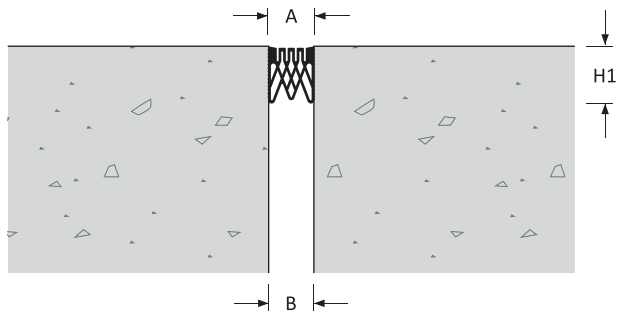
- (1) Concrete slab with rebate (by others)
- (2) Continuous seal
- (3) High-strength backfill
- (4) Finishes



SEAL EXPANSION JOINT

Floor to Floor to Wall | Wall to Wall
25 - 75 mm (1 - 3") Expansion Gaps

Flexatec 1200 : A01



Expansion Joint Selection Criteria

Load Rating

Product Details

Joint Location	Gap Width B (mm)	Movement Capacity (mm)		Eurocode Rating				Product Dimensions				Product Number
		±	[Total]					Height		Sightline	Blockout	
								H1 (mm)	H2 (mm)	A (mm)		
Floor - Floor	25	± 7	[15]	-	31 kN	30 kN	-	55	-	25	-	1200-A01-025
Floor - Wall	50	± 15	[30]					64		50		1200-A01-050
Wall - Wall	75	± 25	[50]					75		1200-A01-075		

Features

Surface

Ribbed surface for improved slip resistance
Americans with Disabilities Act (ADA) compliant
across the entire movement cycle

Movement

Good movement capacity
ASTM E-1399 Class I: Thermal
Class II: Wind

Traffic Frequency per day

				
> 25,000	-	≤ 10	> 25,000	-

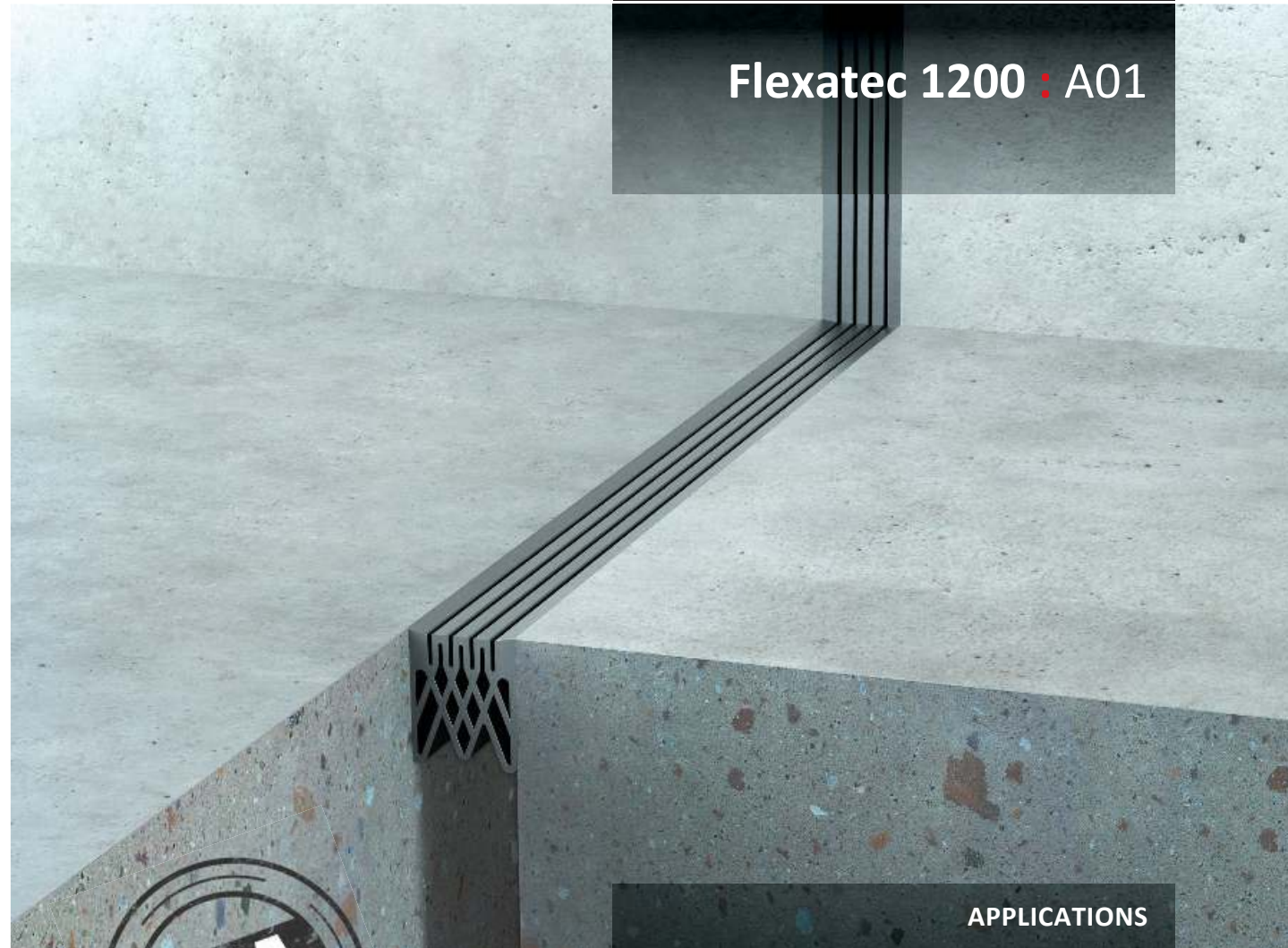
System Options

Gap width(s)	25, 50, 75 mm
Height(s)	55, 64 mm
Metal type(s):	None
Colour(s)	Black (RAL 7021) coloured seal
Fire barrier	120-240 minutes
Waterproofing	Not applicable
Pre-assembly in factory	Contact Vexcolt

SEAL EXPANSION JOINT

Floor to Floor to Wall | Wall to Wall
25 - 75 mm (1 - 3") Expansion Gaps

Flexatec 1200 : A01



APPLICATIONS

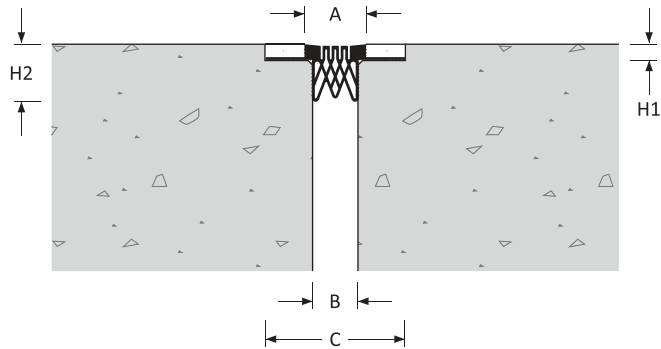
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Shopping Centres | Sports Stadiums | Supermarkets

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SEAL EXPANSION JOINT

Floor to Floor | Deck to Deck
25 - 100 mm (1 - 4") Expansion Gaps

Flexatec 1210 : A01



Expansion Joint Selection Criteria

Load Rating

Product Details

Joint Location	Gap Width B (mm)	Movement Capacity (mm) ± [Total]		Eurocode Rating				Product Dimensions				Product Number
								Height		Sightline A (mm)	Blockout C (mm)	
								H1 (mm)	H2 (mm)			
Floor - Floor Deck - Deck	25	± 7	[15]	-	36 kN	30 kN	120 kN	18	54	40	125	1210-A01-025
	50	± 15	[30]						65	150	1210-A01-050	
	75	± 25	[50]						64	90	175	1210-A01-075
	100	± 32	[64]							115	200	1210-A01-100

Features

Surface

Ribbed surface for improved slip resistance
Americans with Disabilities Act (ADA) compliant
across the entire movement cycle

Movement

Good movement capacity
ASTM E-1399 Class I: Thermal
Class II: Wind

Traffic Frequency per day

				
> 25,000	-	≤ 10	> 25,000	≤ 100

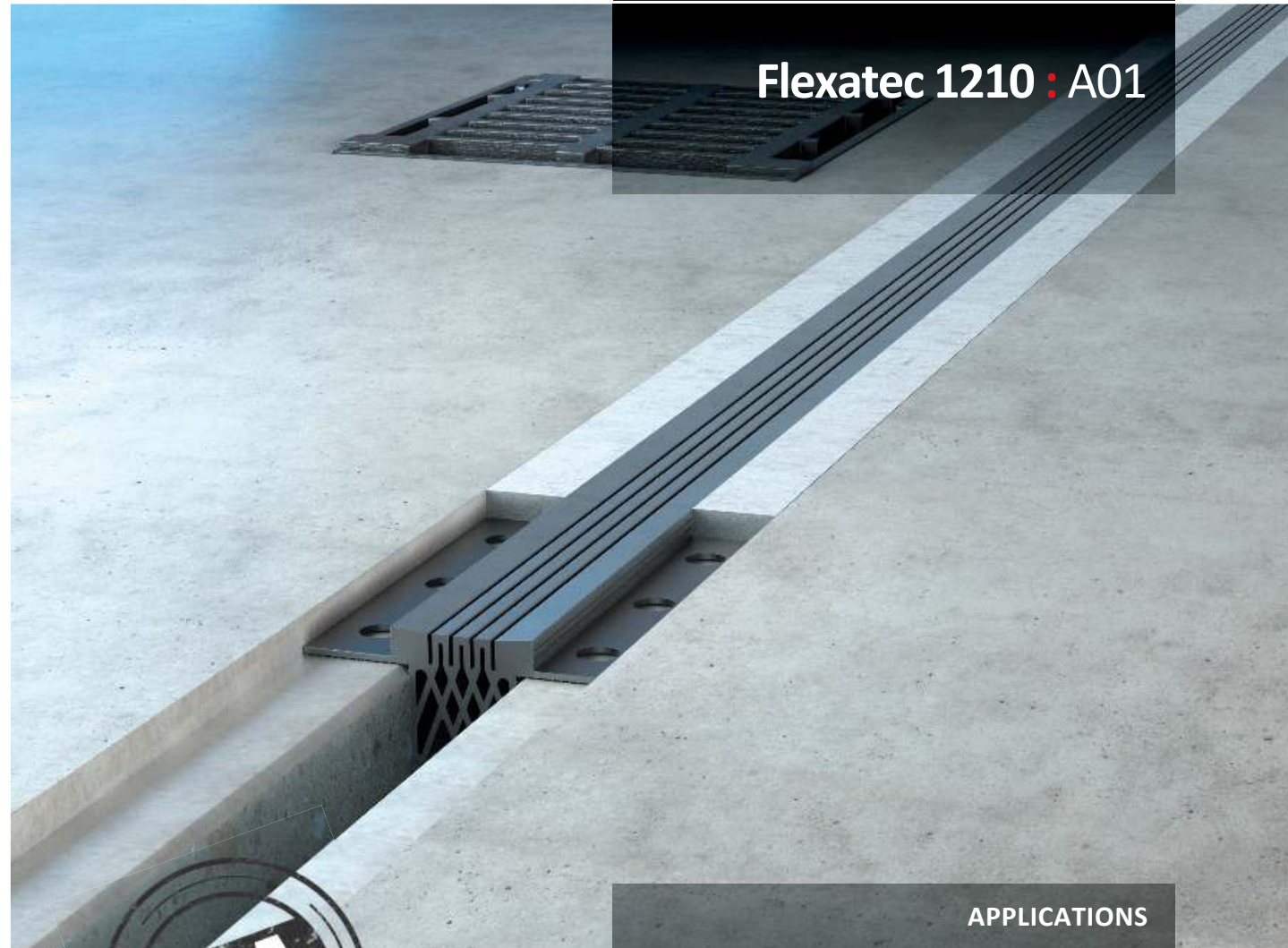
System Options

Gap width(s)	25, 50, 75, 100 mm
Height(s)	18 mm
Metal type(s):	None
Colour(s)	Black (RAL 7021) coloured seal
Fire barrier	120-240 minutes
Waterproofing	Not applicable
Pre-assembly in factory	Contact Vexcolt

SEAL EXPANSION JOINT

Floor to Floor | Deck to Deck
25 - 100 mm (1 - 4") Expansion Gaps

Flexatec 1210 : A01



APPLICATIONS

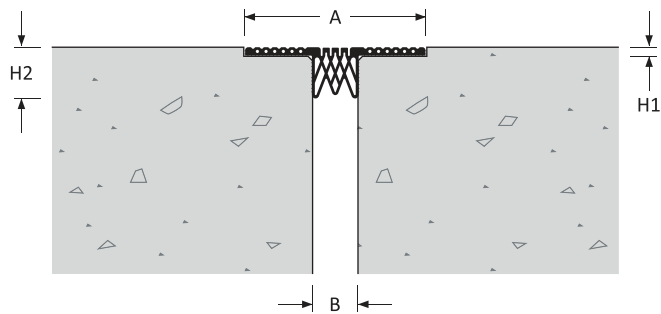
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SEAL EXPANSION JOINT

Floor to Floor | Deck to Deck
25 - 100 mm (1 - 4") Expansion Gaps

Flexatec 1220 : A01



Expansion Joint Selection Criteria

Load Rating

Product Details

Joint Location	Gap Width B (mm)	Movement Capacity (mm)		Eurocode Rating				Product Dimensions				Product Number
		±	[Total]					Height H1 (mm)	H2 (mm)	Sightline A (mm)	Blockout C (mm)	
Floor - Floor Deck - Deck	25	± 7	[15]	-	36 kN	30 kN	120 kN	10	50	175	-	1220-A01-025
	50	± 15	[30]						56	200		1220-A01-050
	75	± 25	[50]						64	225		1220-A01-075
	100	± 32	[65]						70	250		1220-A01-100

Features

Surface

Ribbed surface for improved slip resistance
Americans with Disabilities Act (ADA) compliant
across the entire movement cycle

Movement

Good movement capacity
ASTM E-1399 Class I: Thermal
Class II: Wind

Traffic Frequency per day

				
> 25,000	-	≤ 10	> 25,000	≤ 100

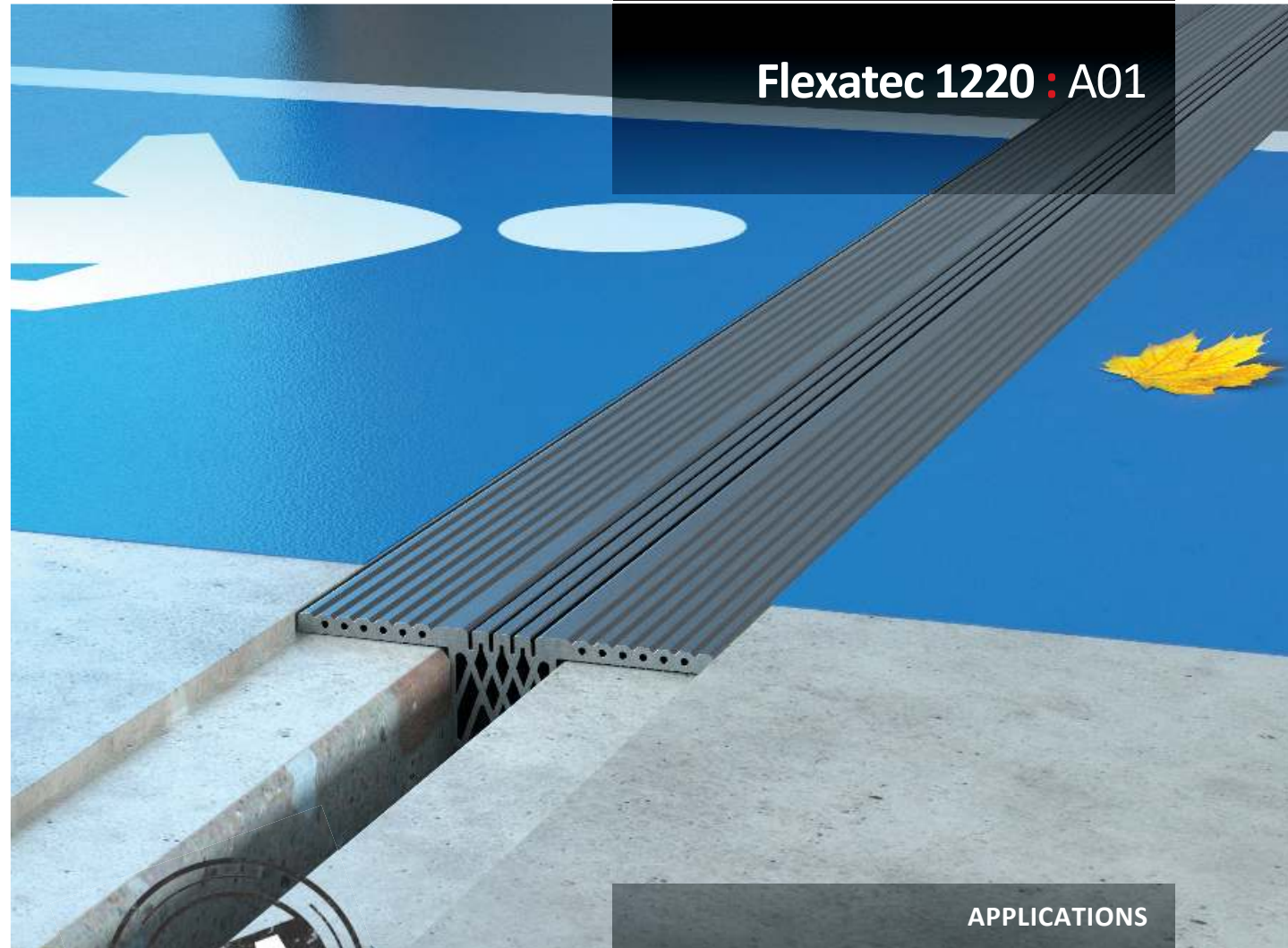
System Options

Gap width(s)	25, 50, 75, 100 mm
Height(s)	10 mm
Metal type(s):	None
Colour(s)	Black (RAL 7021) coloured seal
Fire barrier	120-240 minutes
Waterproofing	Not applicable
Pre-assembly in factory	Contact Vexcolt

SEAL EXPANSION JOINT

Floor to Floor | Deck to Deck
25 - 100 mm (1 - 4") Expansion Gaps

Flexatec 1220 : A01



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notes
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