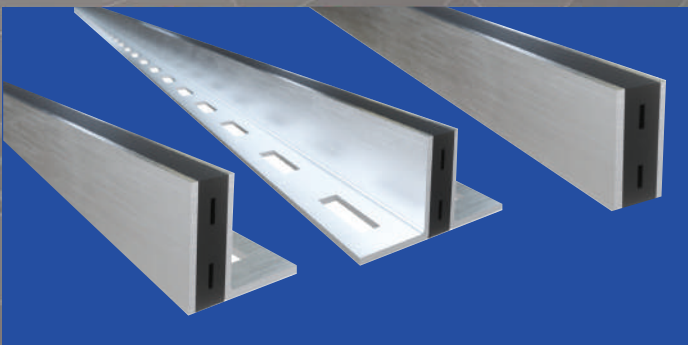


Tile Movement Joints

CATALOGUE

NEXUS
Tile Movement Joints



UNITECH
for Building and Construction Materials
www.unitech-ikk.com

IKK Group of Companies
www.ikkgroup.com



Features

NEXUS manufacture Tile Movement Joints that are used on floors to protect tile edges and to accommodate movements and local stresses.

The most common problems for Tile fixings are Tile pop-outs and sealant failure. Using tile joints is a suitable and economic solution to avoid problems related to the fixing tiles.

Sealants are used for the economic viability and easiness in application and due to their poor load bearing capacity, sealants often fail resulting in cracks and fissures along the line of application



Tile Movement Joints are best suited replacement for such situations and suitable for use with Ceramic, Terrazzo, Marble, Stone and other similar materials.

NEXUS Movement Joints are manufactured using high quality Brass, Stainless Steel, Aluminum with plates bonded to a neoprene or EPDM rubber inserts.

NEXUS Movement Joints are manufactured in accordance to the following international standards:

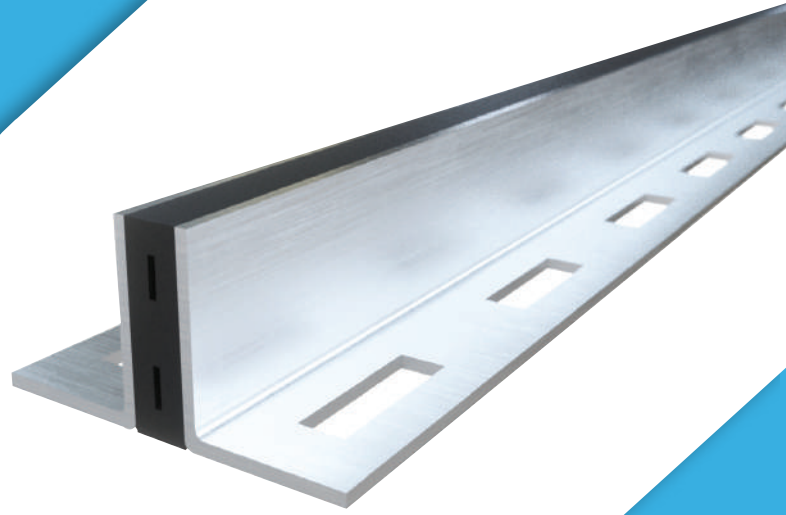
Country	Standard	Recommended By Sizes	
		Internal	External
USA	ANSI A108.1 installation of ceramic tiles.	6.0m-8.0m	3.6m-4.8m
UK	BS 5385-Part3:1989 Code of practice for the design and installation of ceramic floor tiles and mosaics	8.0m-10.0m	4.5m-6.0m
FRANCE	NF P 61.2021 / DTU 52.1 Sealed floor coverings NF P 14-201-1 / DTU 26.2 Treads and tiles to bases hydraulic binders	6.0m-8.0m	3.5m-4.0m
AUSTRALIA	AS 3958.1 - 1991 Guide to the installation of ceramic tiles	8.0m-10.0m	4.5m-6.0m

NEXUS

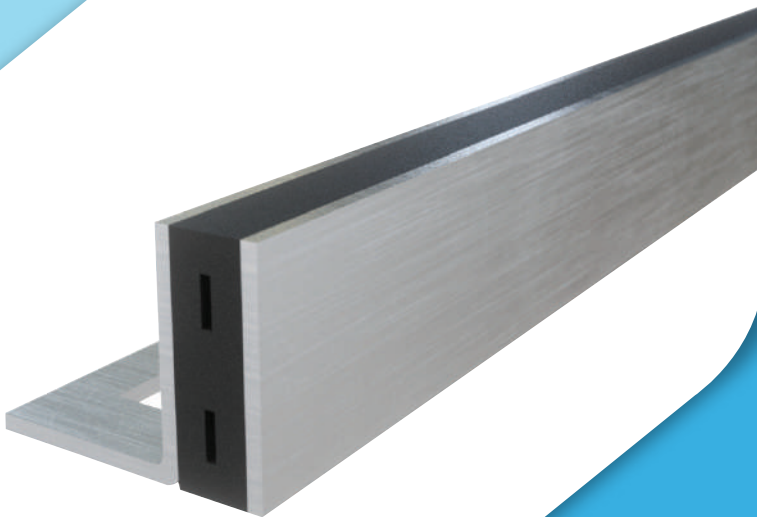
Tile Movement Joints

Amongst the many factors causing ceramic tiles to move, are significant changes in atmospheric temperature, weight loading, traffic density, rigid attachments such as fixed plant, pillars etc. and thermal and moisture movements in the structural base, background and tiling.

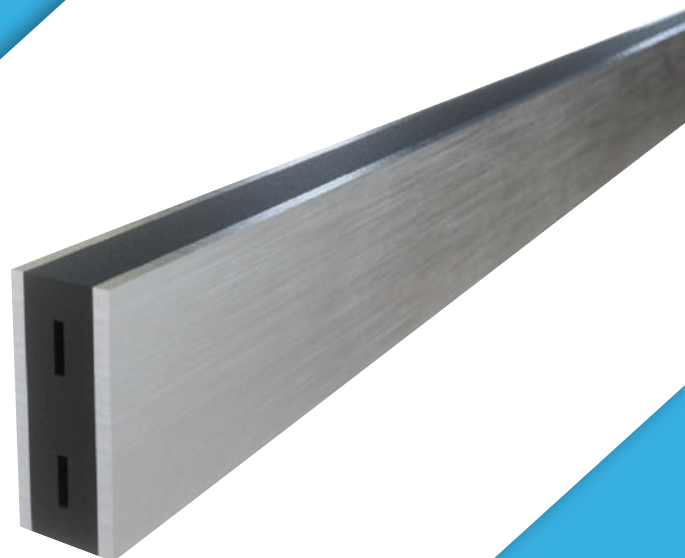
NEXUS Movement Joints create a tile field which moves independently from those around it, and should be included at set distances in floor and wall tiles, in accordance with recommendations from the British Standards Institution (BSI).



A typical installation should include Movement Joints within the tiled area itself and on internal corners of walls, along with the floor to wall connection. They should also be used at the perimeter of application of over two meters or where there is excessive thermal and vibration movement. Installers and specifiers should always refer to the BSI recommendations for specific applications. There are different widths of performed movement joints, and the correct width and material must be specified to take thermal movement into account, along with traffic density.



The BSI states that ultimately the specifier is responsible for choosing the right joints and deciding where they will be positioned. In a nutshell, aluminum is ideal for commercial use, whereas brass and stainless steel are used for heavy commercial and industrial projects such as warehousing, production facilities Malls and airports and where the tiled surface is cleaned by scrubbing machine, or where there are rolling loads such as pallet trucks and metal-rimmed trolleys. Stainless Steel is also ideal where chemicals are used, such as laboratories and food processing plants.



NMJ-2L

NEXUS
CODE
NMJ-2L

Features

Tile Movement Joint NMJ-2L is manufactured using 1.5mm side plates of Brass, Stainless Steel or Aluminum bonded firmly to a rubber insert of 7mm thickness.

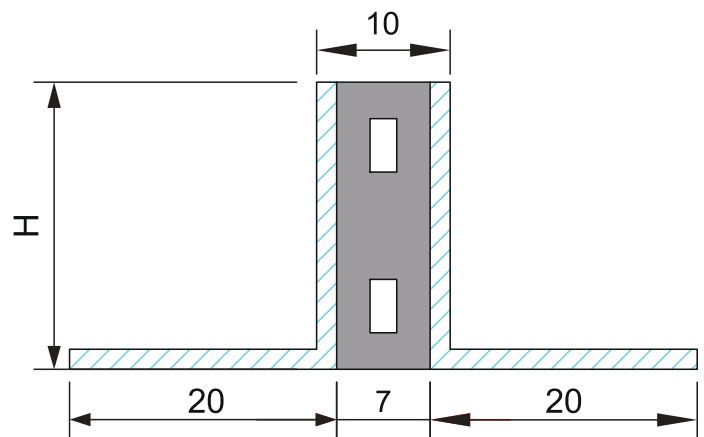
The side plates range from 10mm onwards to maximum of 100mm in height and another sizes can be specially ordered.

Rubber inserts are available in 10 standard colours. All profiles are fabricated for a cut length of 2.44mtr or any required length less than 2.44mtr.



APPLICATIONS MOVEMENT JOINTS

Type	H [mm]	W [mm]	L [mtr]
NMJ-2L10	10	10	2.44
NMJ-2L12.5	12.5	10	2.44
NMJ-2L15	15	10	2.44
NMJ-2L20	20	10	2.44
NMJ-2L25	25	10	2.44
NMJ-2L30	30	10	2.44
NMJ-2L50	50	10	2.44



*Note: Any other sizes / shapes are available upon request.

Features

Tile Movement Joint NMJ-1L is manufactured using one flat side plate on side and L-plate on the other side bonded to the rubber insert.

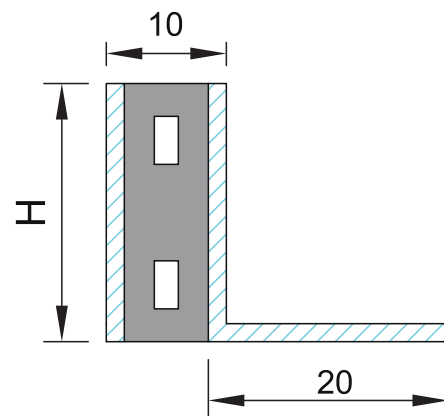
These profiles are particularly useful for perimeter fixing or an existing finished area.

Rubber insert are available in 10 standard colours. All profiles are fabricated for a cut length of 2.44mtr or any other required length less than 2.44mtr.



APPLICATIONS MOVEMENT JOINTS

Type	H [mm]	W [mm]	L [mtr]
NMJ-1L10	10	10	2.44
NMJ-1L12.5	12.5	10	2.44
NMJ-1L15	15	10	2.44
NMJ-1L20	20	10	2.44
NMJ-1L25	25	10	2.44
NMJ-1L30	30	10	2.44
NMJ-1L50	50	10	2.44



*Note: Any other sizes / shapes are available upon request.

Features

Tile Movement Joint NMJ-S is manufactured using 1.5mm side plate of Brass, Stainless Steel or Aluminum bonded firmly to a rubber insert of 7mm.

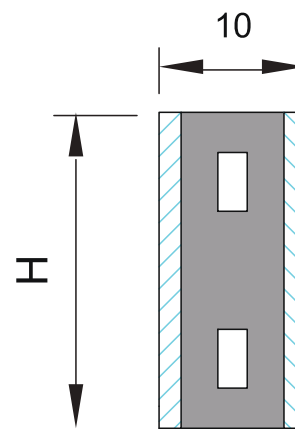
The side plates range from 15mm onwards to maximum of 100mm in height and can be specially ordered for a greater thickness for heavy duty applications.

Rubber inserts are available in 10 standard colours. All profiles are fabricated for a cut length of 2.44mtr or any other required length less than 2.44mtr.



APPLICATIONS MOVEMENT JOINTS

Type	H [mm]	W [mm]	L [mtr]
NMJ-S10	10	10	2.44
NMJ-S12.5	12.5	10	2.44
NMJ-S15	15	10	2.44
NMJ-S20	20	10	2.44
NMJ-S25	25	10	2.44
NMJ-S30	30	10	2.44
NMJ-S50	50	10	2.44



*Note: Any other sizes / shapes are available upon request.

MATERIAL SPECIFICATIONS

Material	Grade / Alloy	Related Standards
Stainless Steel	(304) / (1.4301) (316) / (1.4404)	BSEN 10088-2:2014 BSEN 10088-2:2014
Aluminum	EN AW-6060 EN AW-6063	BSEN 12020-1:2008 BSEN 12020-2:2008
Brass	Copper Alloys Bronze Alloys CuZn43Pb2Al(CW624N)	BSEN 1652:1998 GOST 15527-2004

NEOPRENE

Temperature Range: - 35 to 100°C

I .PHYSICAL PROPERTIES

Sl.Nr.	DESCRIPTION	TEST METHOD	UNIT	SPECIFICATION
1	Hardness	ISO 7619	Shore A	60± 5
2	Specific Gravity	ISO 2781	-	1.33±0.05
3	Tensile Strength, Min.	ISO 37	MPa	15.5
4	Elongation At Break, Min.	ISO 37	%	350
5	Compression Set, Max. (22hrs@100°C)	ISO 815	%	35
6	Accelerated ageing resistance. (70 hrs@ 100°C)	ISO 188	-	-
6.1	Change in Hardness	ISO 7619	Shore A	+15
6.2	Change in Tensile Strength, Max.	ISO 37	%	-15
6.3	Change in Elongation at Break, Max.	ISO 37	%	-40

II .GENERAL PROPERTIES :

7	Resistance to UV	Excellent
8	Resistance to Water	Good
9	Resistance to Acids	Good
10	Resistance to Alkalis	Good
11	Resistance to H2S	Good
12	Resistance to Natural Gas	Fair
13	Resistance to Aliphatic Hydrocarbons	Good
14	Resistance to Ketones	Fair
15	Resistance to Alcohols	Fair
16	Resistance to Lubricating Oils	Good
17	Resistance to Hydraulic Oils	Good
18	Resistance to Fuels	Good
19	Resistance to Weathering	Excellent
20	Resistance to Oxidative	Good

EPDM

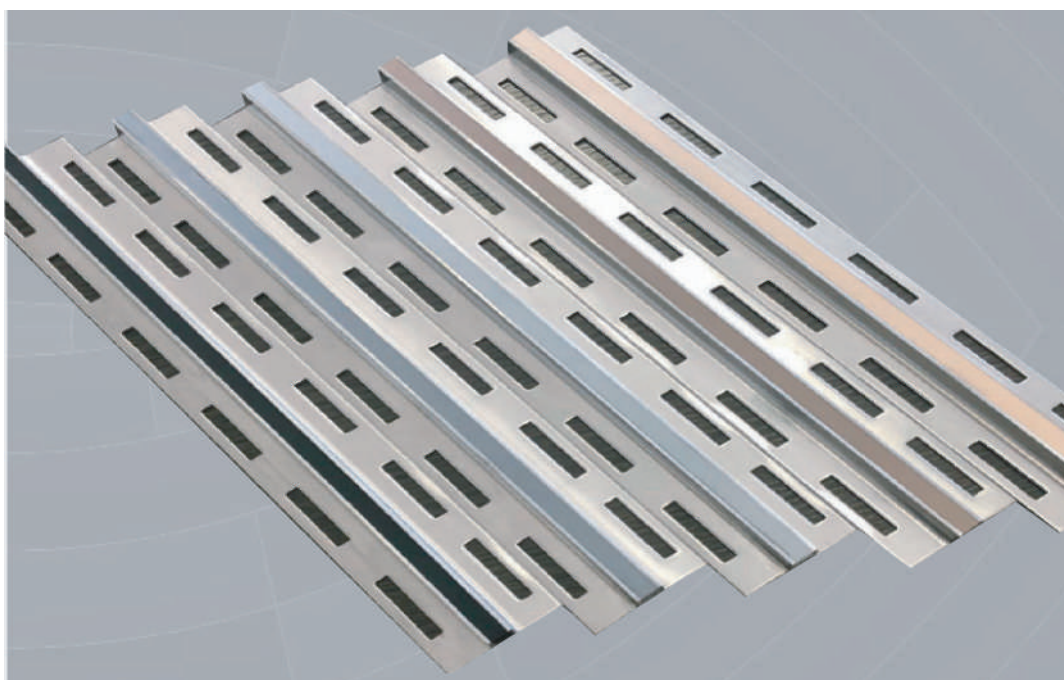
Temperature Range: - 35 to 100°C

I .PHYSICAL PROPERTIES :

Sl.Nr.	DESCRIPTION	TEST METHOD	UNIT	SPECIFICATION
1	Hardness	ISO 7619	Shore A	70±5
2	Specific Gravity	ISO 2781	-	1.18±0.05
3	Tensile Strength, Min.	ISO 37	kg/cm2	100
4	Elongation At Break, Min.	ISO 37	%	300
5	Compression Set, Max. (22hrs@100°C)	ISO 815	%	35
6	Accelerated ageing resistance. (24hrs@100°C)	ISO 188	-	-
6.1	Change in Hardness	ISO 7619	Shore A	± 5
6.2	Change in Tensile Strength, Max.	ISO 37	%	-15
6.3	Change in Elongation at Break, Max.	ISO 37	%	-25

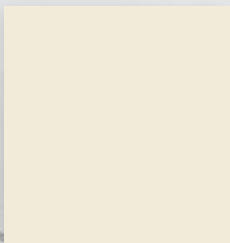
II .GENERAL PROPERTIES :

7	Resistance to UV	Excellent
8	Resistance to Water	Excellent
9	Resistance to Acids	Fair
10	Resistance to Alkalis	Fair
11	Resistance to Aliphatic Hydrocarbons	Fair
12	Resistance to Hydraulic Oils	Good
13	Resistance to Fuels	Fair
14	Resistance to Weathering	Excellent
15	Resistance to Oxidative ageing	Good

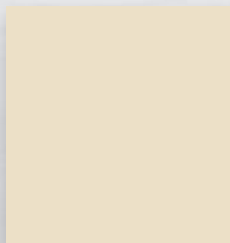




STANDARD COLORS



Milky White



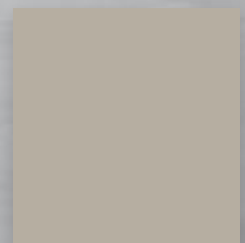
Alabaster



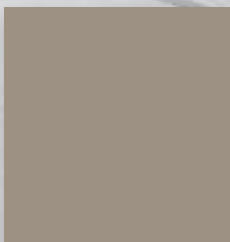
Light Beige



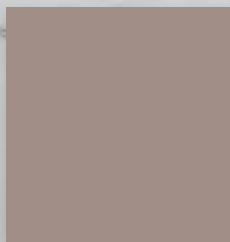
Linen



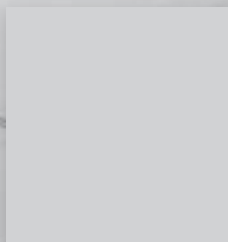
Sandstone



Light Smoke



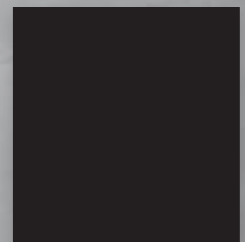
Earth



Light Grey



Pewter

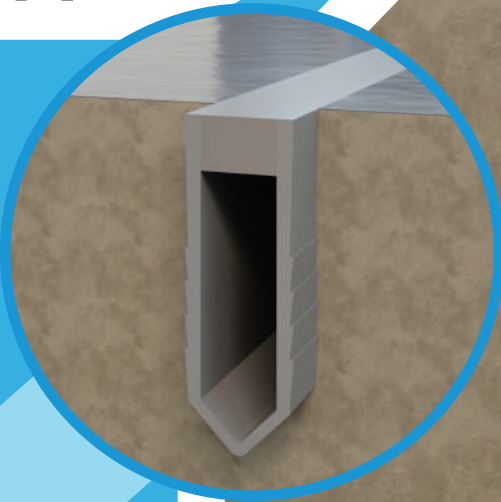


Black

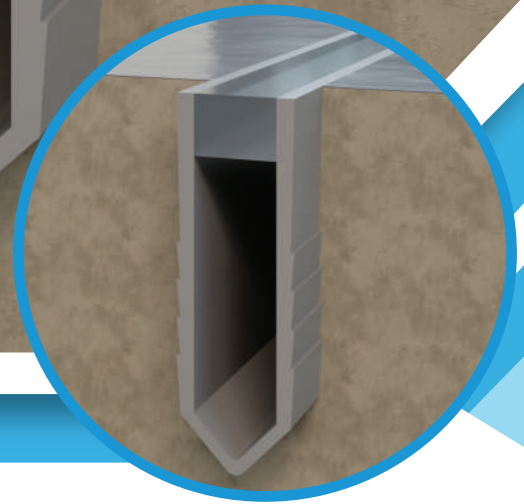
NEXUS

PVC Movement Joint

SPVM



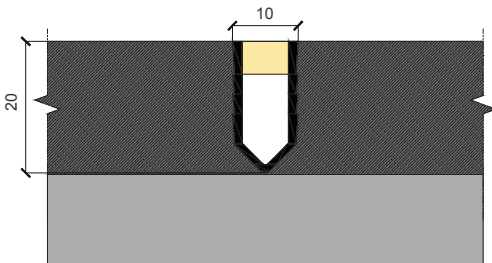
NEXUS
CODE
SPVM



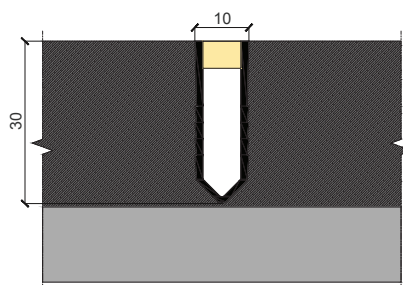
Nexus SPVM Profile is a straight shape hard PVC Tile Movement Joint with soft PVC infill.

Soft PVC Colours : Ivory, Grey, Transparent

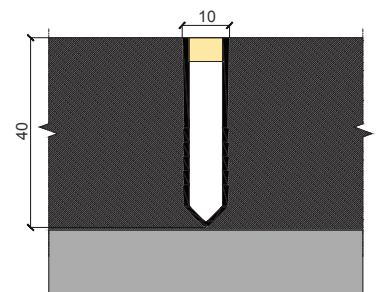
SPVM 20



SPVM 30



SPVM 40



NEXUS

PVC Movement Joint

PVM



NEXUS
CODE
PVM



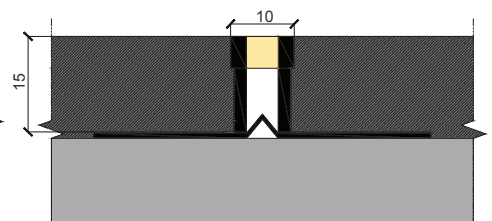
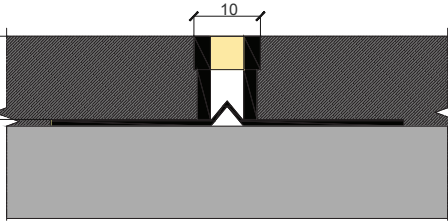
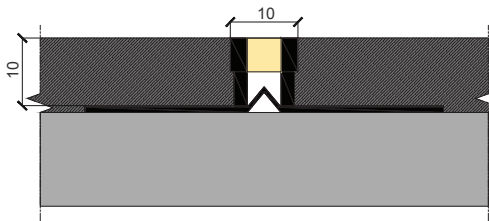
Nexus PVM Profile is a 2L shape hard PVC Tile Movement Joint with soft PVC infill.

Soft PVC Colours : Ivory, Grey, Transparent

PVM 10

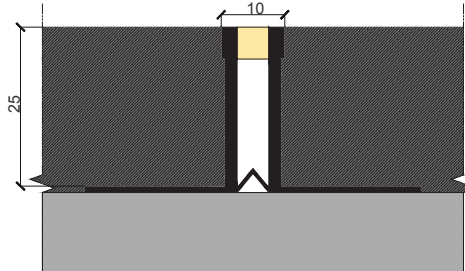
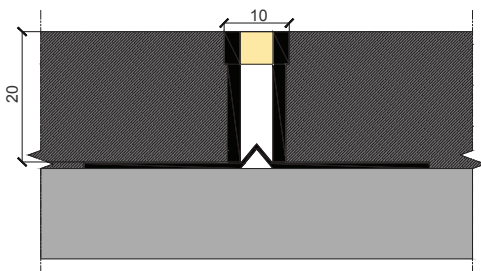
PVM 125

PVM 15



PVM 20

PVM 25



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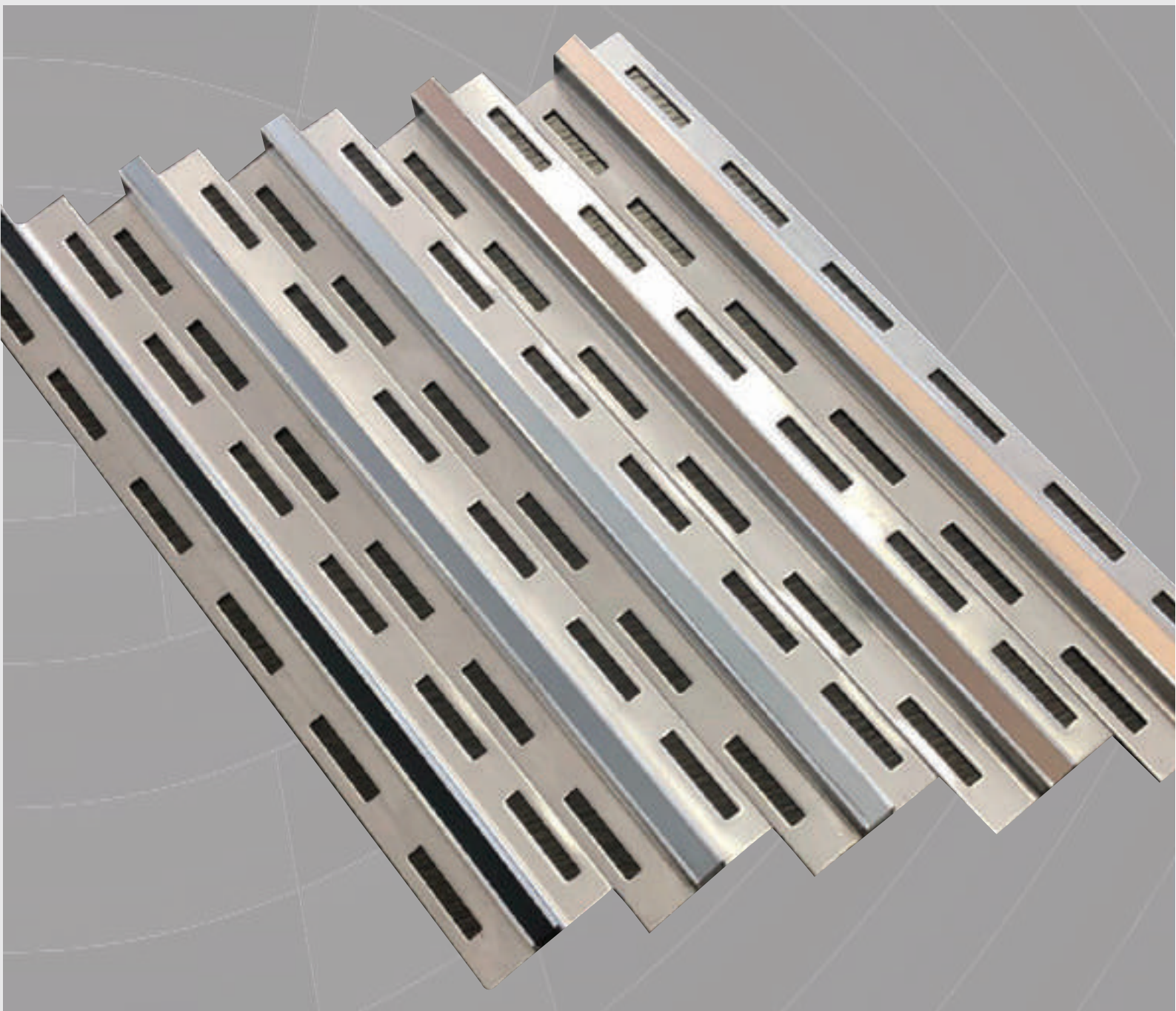
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