

## AR 194-050 DATA SHEET

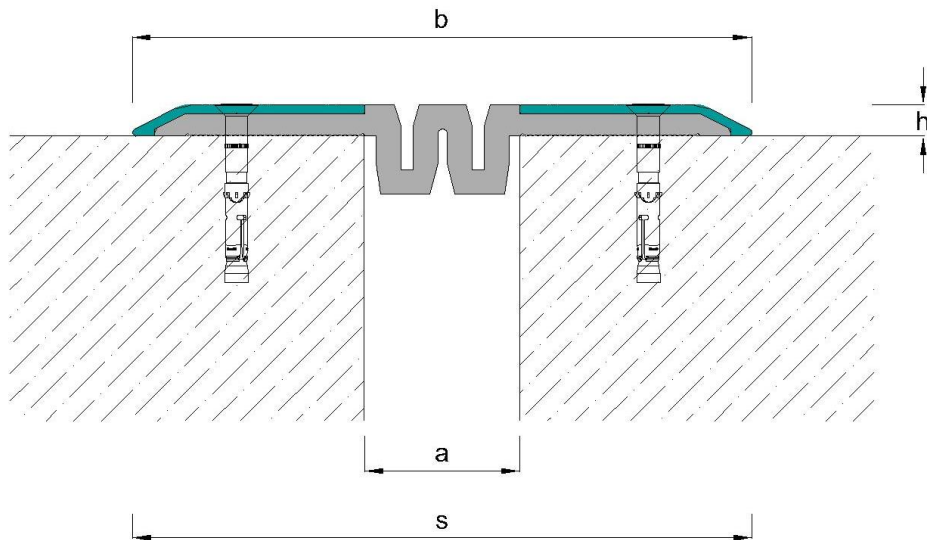
### Expansion Joint Floor Profiles for Parking Lot

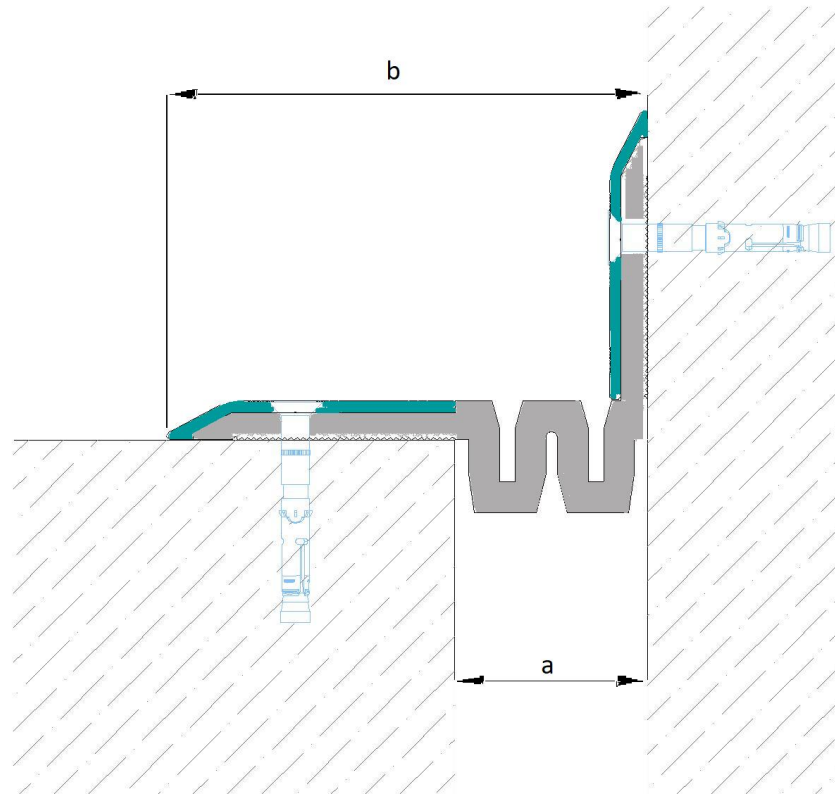
- Mill finish aluminium profile.
- Replaceable TPE insert.
- Easy onsite installation.
- Ideal shopping malls, car parking areas etc.



- ❖ Standard colors: black, gray and cream.
- ❖ Profile length: 3 lm, insert length: 15 lm.
- ❖ For fire and water barriers installation, please ask for our technical advice.

Product Code	Joint Width (a)	Total Movement	Top Surface Width (b)	Load Capacity	Block out width (s)	Depth (h)
AR 194-050	50 mm	- 20 / +30 mm	200 mm	9 tones vehicle load	200 mm	10 mm
AR 194-050K	50 mm	- 20 / +30 mm	125 mm	9 tones vehicle load	125 mm	10 mm





### Aluminium Alloy 6063.T5 Chemical Properties

	Si	Fe	Cu	Mn	Mg	Zn	Ti	Cr
Standard of 6063T5	0.20 - 0.60	Max 0.35	Max 0.10	Max 0.10	0.45 - 0.90	Max 0.10	Max 0.10	Max 0.10

### Aluminium Alloy 6063.T5 Physical Properties

Property	Value
Density	2.70 Kg/m <sup>3</sup>
Melting Point	600 °C
Thermal Expansion	23.5 x 10 <sup>-6</sup> /K
Modulus of Elasticity	69.5 GPa
Thermal Conductivity	200W/m.K
Electrical Resistivity	0.035 x 10 <sup>-6</sup> Ω .m

## TPE Properties

	Value	Unit	Standard
<b>Physical</b>			
Hardness	65	SHORE A	ISO 868 (3 second )
Density	1,21	gr / cm3	ISO 1183 1-A
Brittleness Point	-55	°C	*
<b>Mechanical</b>			
100% Modulus	1,85	Mpa	ISO 37, DIN 53504
300% Modulus	2,50	Mpa	ISO 37, DIN 53504
Tensile Strength At Break	4,20	Mpa	ISO 37, DIN 53504
Elongation at Break	600	%	ISO 37, DIN 53504
<b>Aging</b>			
Compression Set (72h/23°C)	39	%	ASTM D 395-89-B
Compression Set (22h/70°C)	65	%	ASTM D 395-89-B
<b>Thermal</b>			
Max. Dynamic Service Temperature	90	°C	*
Max. Static Service Temperature	135	°C	*
<b>Environmental Resistance</b>			
Ozone	Excellent		
Water	Excellent		
Alcohol	Excellent		
Olive Oil	Fair		
Sulphuric Acid	Good		
Detergent	Good		