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IN **AMERICA**

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Architectural

**Building Products**

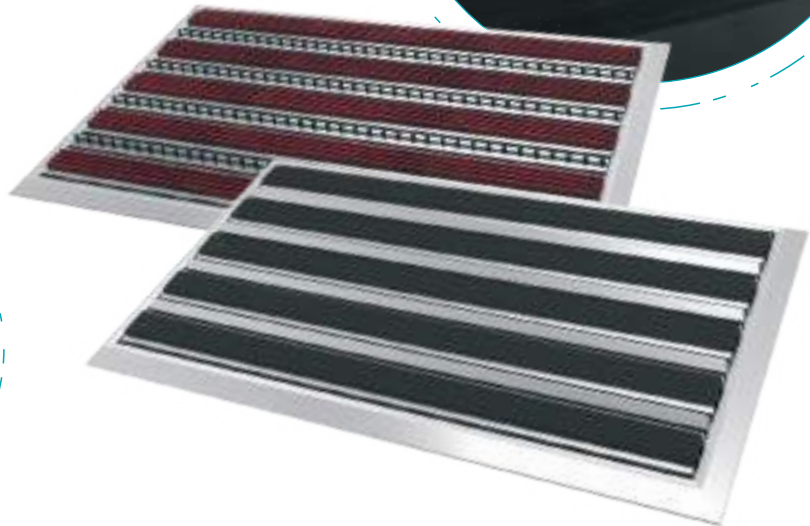
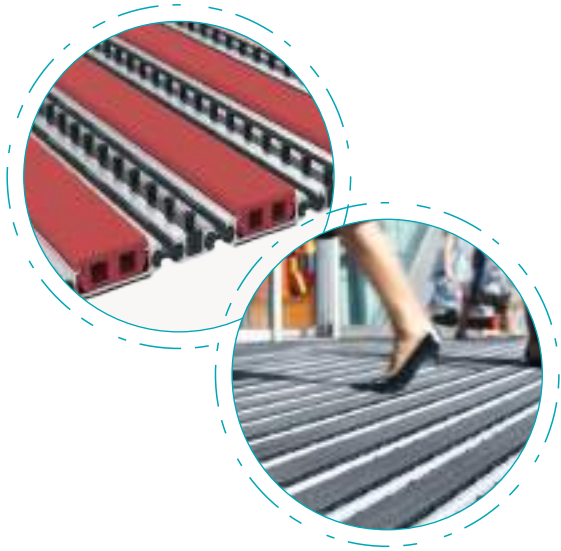


## ALUMINIUM ENTRANCE MAT SYSTEMS

Indoor or outdoor matting system comes with different types of surface inserts. ARFEN's durable mat system can be produced with frame or as a recessed type with customized dimensions.

**The advantages of using ARFEN's mats are:**

- Economic and highly decorative systems.
- Prevents dirt and mud getting inside the building.
- Reduces cleaning cost.

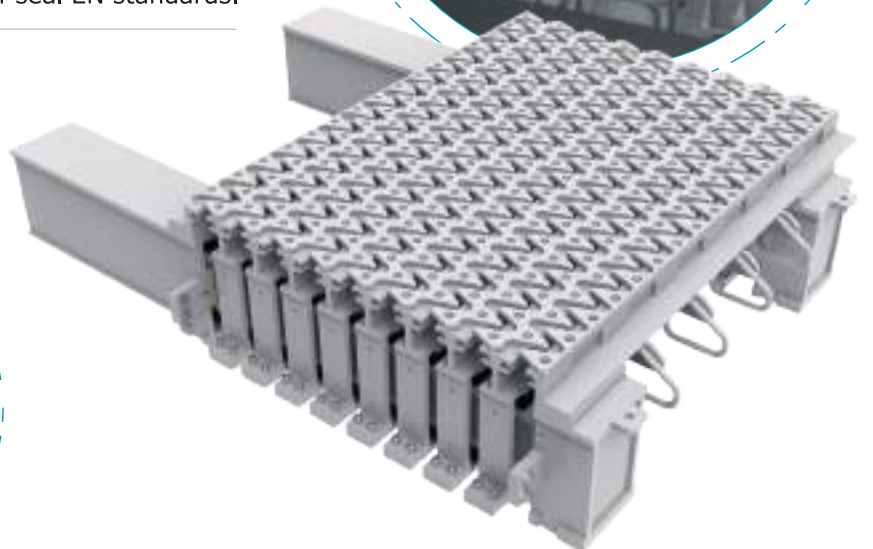
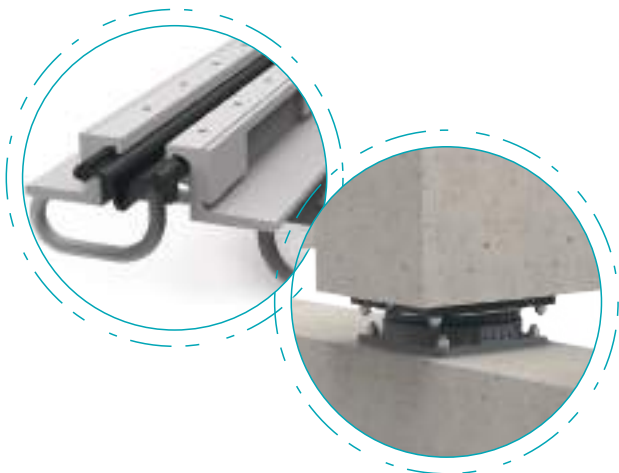


## BRIDGE EXPANSION JOINTS & BEARINGS

Arfen elastomeric (neoprene) bearings, consisting of a waterproof rubber and steel plates which transfers the loads rightly from superstructure to the bridge piers and abutments .

Arfen single-span steel expansion joints are used in transverse direction at the bridges, with a total movement capacity of 80mm or 100 mm, the bearing assembly is connected to the structure by means of the ropes and the rubber strip sealing element for watertightness is used. The steel profiles in this system consist of extrusion profiles.

Our expansion joints are designed according to ISO 9001 quality standards, according to DIN 1072 and AASHTOH30-S24 load standards, the anchorage elements used in manufacturing are produced in accordance with EN 10025 standard and rubber waterproof seal EN standards.



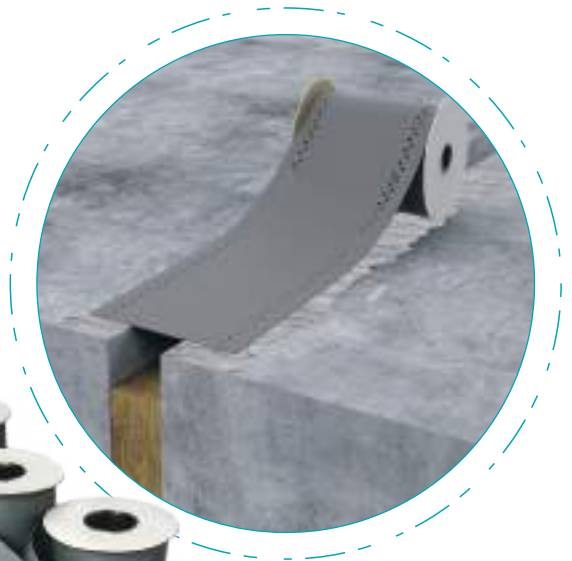
## HYDROFLEX WATERPROOFING PRODUCTS

ARFEN's hydroflex product group is utilized to maintain watertightness. Some of our Hydroflex types are:

**Expansion joint Band:** Used under Expansion joint profiles to avoid water seepage getting into the lower floors.

**Chamfer Bands:** Used in wet areas to avoid water leakage from corners where floor and wall connects.

**Swelling Band:** Special formularized TPE swelling band used to prevent water seepage from crack In concrete, metals and etc. It has the ability to swell (expand) more than 3 times and shrink to its original shape without any cracks on the product.



## HYDROFLEX PVC WATERSTOPS

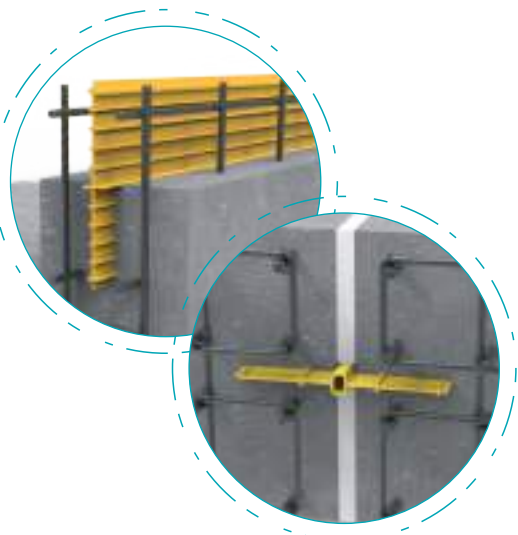
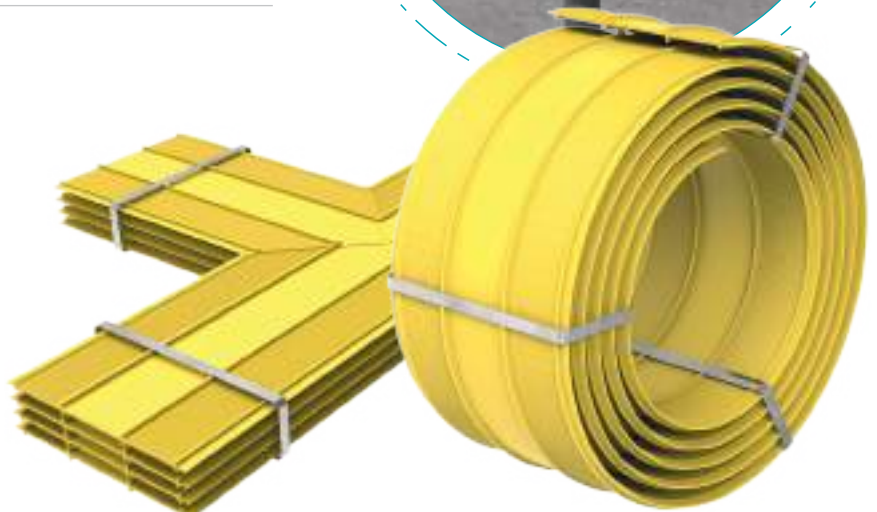
PVC waterstops are utilized in the concrete joints, acts as a continuous watertight unit to prevent any seepage of liquids in constructions joints. Many different sizes, dimensions and colors are available.

**They are also:**

- Thermoplastic waterstops used for sealing joints in concrete.
- Resistant to high bending.
- Resistant to high water pressure.

**The application areas are:**

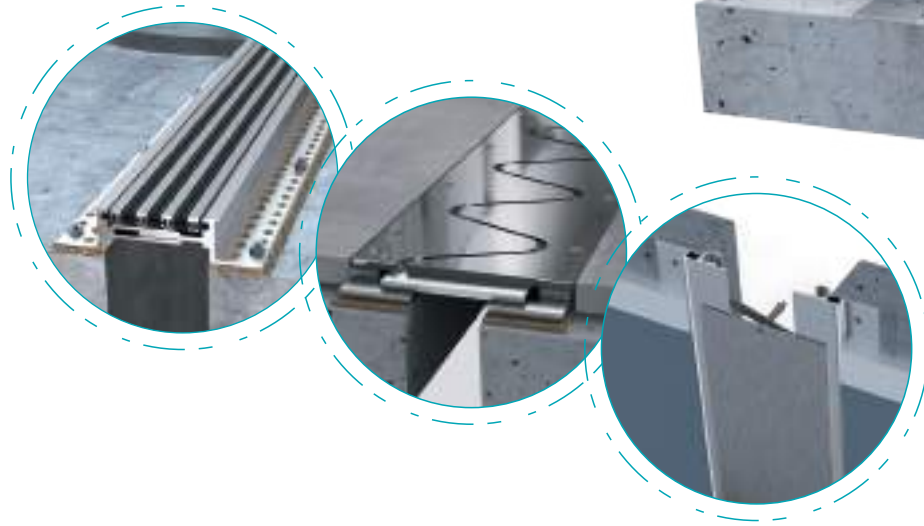
- Hydraulic power plants
- Bridges, Underground constructions, Viaducts
- Retaining walls, water channels
- Flooring and bases sitting on the ground
- Water treatment plants, Swimming pools, etc.



## EXPANSION JOINT PROFILES

ARFEN is one of the leading company in expansion joint profiles sector. All the profiles are produced in our facilities from scratch. The product range is over 1000 types including floor, wall and ceiling profiles. Application areas are: shopping centers, schools, airports and hospitals.

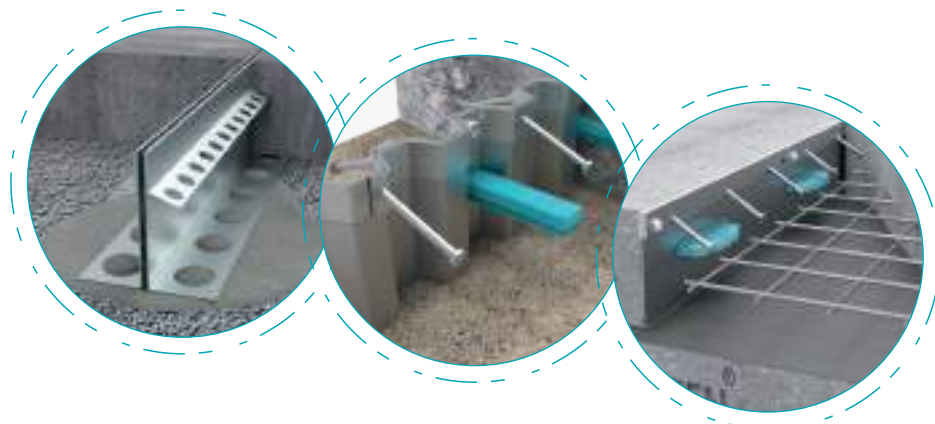
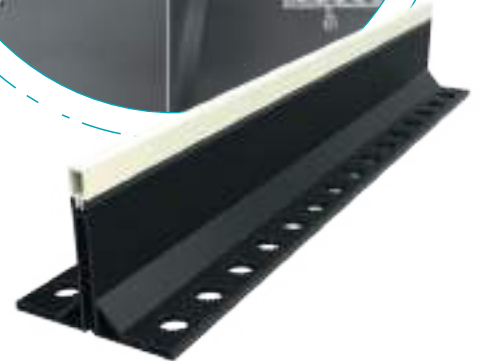
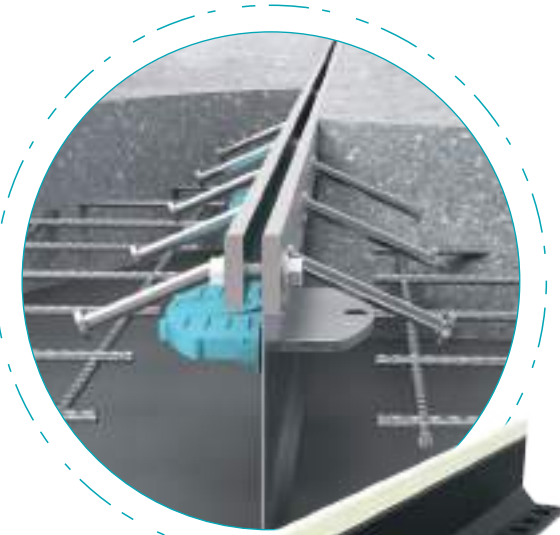
- HEAVY DUTY HYGIENIC EXPANSION JOINT PROFILES
- COMPLETE WATERTIGHT EXPANSION JOINT PROFILES
- GASKETED FLOOR, WALL, CEILING PROFILES
- FLOOR, WALL, CEILING COVER PROFILES
- CARPARK EXPANSION JOINT PROFILES



## SLAB JOINT ARMoured JOINT PROFILES

SLABJOINT® is a leave-in-place joint system designed to create free movement joints between two adjacent slabs and minimizes vertical displacement of concrete and thus avoids random cracks. It is suitable for all large-area concrete floors which can be grouped as ground-bearing and pile-supported concrete floors.

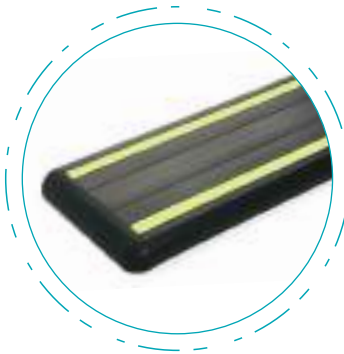
The system feature is provided by two 40 x 10 mm cold drawn steel profiles connected with flexible plastic bolts to maintain movement across the slab and shear studs securely anchors the joint into the slab along its length. SLABJOINT® have been utilized in many large projects and continuing to be chosen for the upcoming ones.



## WALL & CORNER PROTECTION SYSTEMS

ARFEN Wall and corner guards are used to minimize repairing and maintenance costs on internal walls. The composition of aluminum profile, vinyl cover and rubber inserted systems are highly resistant to impacts. These systems are used in schools, hotels and hospital corridors. Both the walls and people are safe with ARFENS vinyl systems.

- HANDRAIL WALL PROTECTION SYSTEMS
- RUBBER & TPE WALL PROTECTION SYSTEMS
- STAINLESS STEEL PROTECTION SYSTEMS
- WALL PROTECTION SYSTEMS
- CORNER PROTECTION SYSTEMS
- VINYL SHEET SYSTEMS
- HANDRAIL SYSTEMS



## ALUMINIUM ARCHITECTURAL SYSTEMS

One of the main advantage of having own Aluminum factory is to be an alternative solution partner in most Architectural products. Some of our architectural products are:

**Glass Railing Systems:** ARFEN's durable and rigid glass railing systems are suitable for different glass thicknesses and are easy assembled with decorative appearance. The applications areas are: Hospitals, Balconies, Shopping centers, Airports and etc.

**Mechanical Facade Systems:** The facade system are composition of Brackets, T profiles, L Profiles and clips systems designed for facade of ceramic, porcelain and similar type coverings.

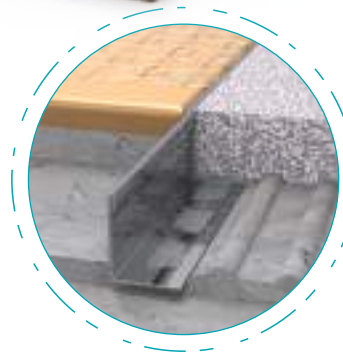
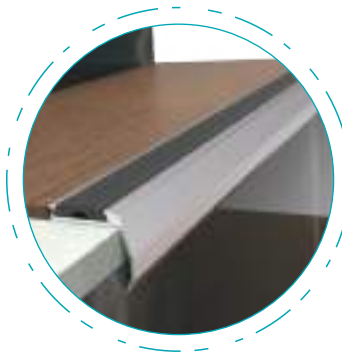
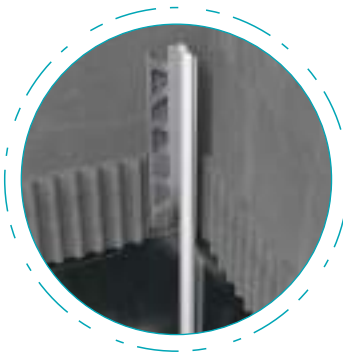
- STANDARD, WINDOW & DOOR PROFILES
- SMART BASE GLASS RAILING SYSTEMS
- ALUMINIUM FENCE SYSTEMS
- CERAMIC FACADE SYSTEMS
- LOUVRES AND SOLAR SHADING
- VINCI ARCHITECTURAL SYSTEMS



## DECORATION & TRIM PROFILES

ARFEN's decoration profiles and systems are produced to be the solution for all kinds of needs. Some of these systems are:

- CARPET AND PARQUET LEVEL ADJUSTING AND TRIM PROFILES
- CERAMIC, TERAZZO AND DRYWALL PROFILES
- ALUMINIUM & PVC SKIRTINGS
- STAINLESS STEEL PROFILES
- STAIR NOISE PROFILES



## MOVEMENT JOINT PROFILES

Ceramic, granite, porcelain, stone, glassy ceramics, concrete and marble tiles and terrazzo floor cover applications require thermal expansion joints profiles to absorb natural movements. The temperature difference causes expansion and shrinkage in water or moisture coatings, thus, all the tiles shrink with drying and cooling and this causes random cracks or breakage on the surface of the tiles.

Another reason, dynamic structural loads cause vibration and large movements in the tile applications. If expansion joint is not used in tile, ceramic, granite or marble applications, internal stresses due to expansion or internal shrinkage can cause many problems such as, obvious cracks and breakage. Therefore, joint design extremely significant for the life of the coatings.

ARFEN's Movement Joint profiles are made of aluminum profiles and middle insert to absorb impacts between tiles.

TPE or Neoprene rubber insert can be produced in different colors.

