

# Swimming Pool Buffer Pad for Loads up to 36kN

Swimming Pool Buffer Pad 30kN at 3mm Deflection / Swimming Pool Lateral Restraint Block 36kN at 3.4mm Deflection

## APPLICATION

Used as part of a complete swimming pool isolation system, Embelton swimming pool lateral restraints offer horizontal resilient support for the pool. The swimming pool buffer pad and lateral restraint blocks do not provide additional isolation efficiency but are for seismic restraint.

## PRODUCT DESCRIPTION

Embelton swimming pool buffer pads are constructed from a layer of Supershearflex bonded to a corrosion resistant surface. The swimming pool buffer pad requires a surrounding perimeter wall to the pool shell or a structural hob to be fixed to.

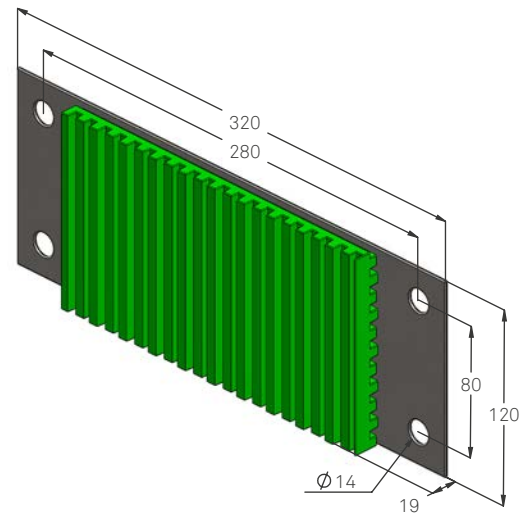
The lateral restraint block can be incorporated for applications where no vertical surface is available for bracing the swimming pool.

## FEATURES

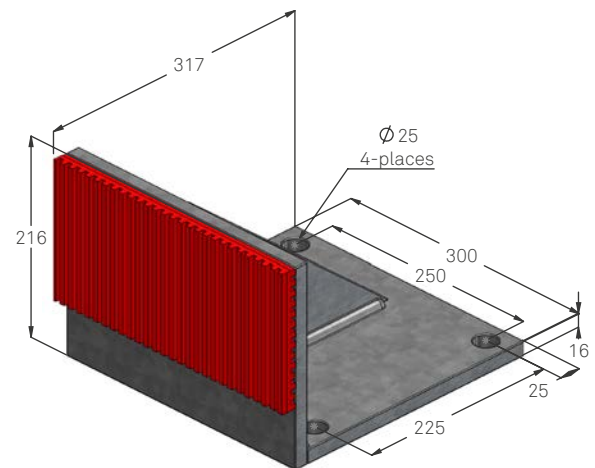
- 17mm cross-ribbed elastomeric pads
- Alternately raised ribs
- Base plate is manufactured from stainless steel or galvanised steel for corrosion resistance

## OPTIONS

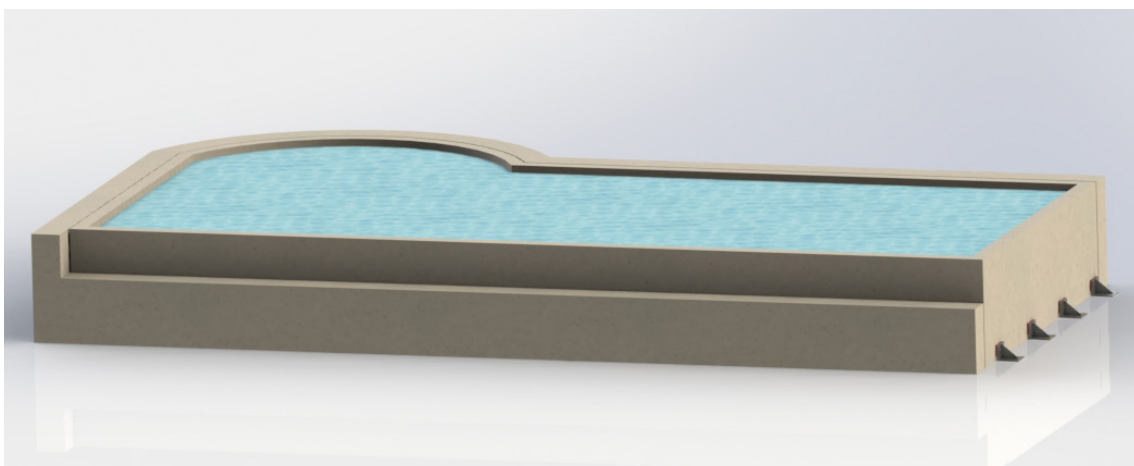
- Can be supplied with different hardness elastomers for different applications
- Higher capacity pads and lateral restraint blocks can be made to order
- Custom restraint solutions for pools with dimensional limitations



**SWIMMING POOL BUFFER PAD**



**LATERAL RESTRAINT BLOCK**



**SWIMMING POOL MODEL EXAMPLE**

## ALTERNATELY RAISED RIBS

This feature provides effective horizontal restraint over the entire load range. Only the alternate ribs are engaged under light loads.

## FASTENINGS

- M20 bolts for swimming pool lateral restraint block.
- M12 bolts for the swimming pool buffer pad.

## WEATHER RESISTANCE

The swimming pool buffer pads are made out of high quality elastomer bonded to either a stainless steel or galvanised steel mount. This provides effective corrosion resistance for harsh swimming pool environment.

## INSTALLATION

The lateral load that needs to be restrained is normally 15% of the weight of the pool but must be confirmed by the project's structural engineers for earthquake code requirements. For swimming pool buffer pads, installation is dependent on whether the restraining structure or the pool is poured first. The buffer pad is attached to either the pool or the structure within the perimeter isolation joint. For concrete decks, install flexible joints.

For the lateral restraint block, installation is carried out after formwork for the pool walls has been stripped.

## TECHNICAL ASSISTANCE

All Embelton offices can provide detailed technical assistance on the use of this product in specific applications.

## CONDITIONS OF SALE

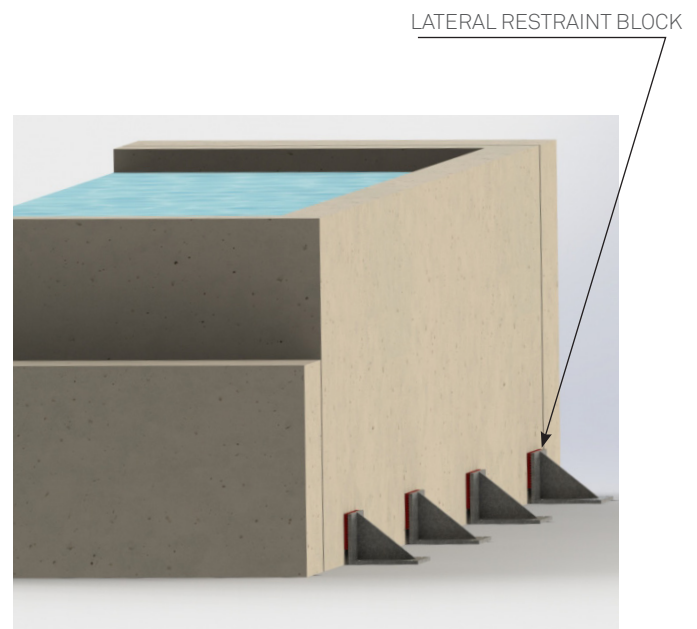
These products are sold subject to the published Embelton General Conditions of Sale, copies of which may be inspected on request.

## SPECIFICATION

Vibration isolation pads shall be a cross-ribbed elastomer 17mm thick with alternately raised ribs. The pads must be bonded to a corrosion resistant surface. The pads shall be type Supershearflex (Swimming Pool Buffer Pad) as supplied by Embelton.



**SWIMMING POOL BUFFER PAD INSTALLATION EXAMPLE**



**LATERAL RESTRAINT BLOCK INSTALLATION EXAMPLE**