

### Instructions for installing an engineering marble overflow



- We have leveled the surface of the pool edges, where the copings will be installed with the use of leveling cement, since the use of adhesive is not recommended in cases in which thickness is  $> 10$  mm.

- In order for the overflow copings to be correctly installed, the use of a laser alignment tool or a laser level is requested. The common spirit level or a tubular spirit level cannot guarantee the simultaneous pool overflow to all the overflowing sides.

- A thorough pre-measurement of the pool may be necessary because, for instance, if 4mm joints instead of 3mm joints are used, that will result in the same alteration to the number of pieces required for one side of the pool.

- We use a thin rope which stretches perfectly in order to level

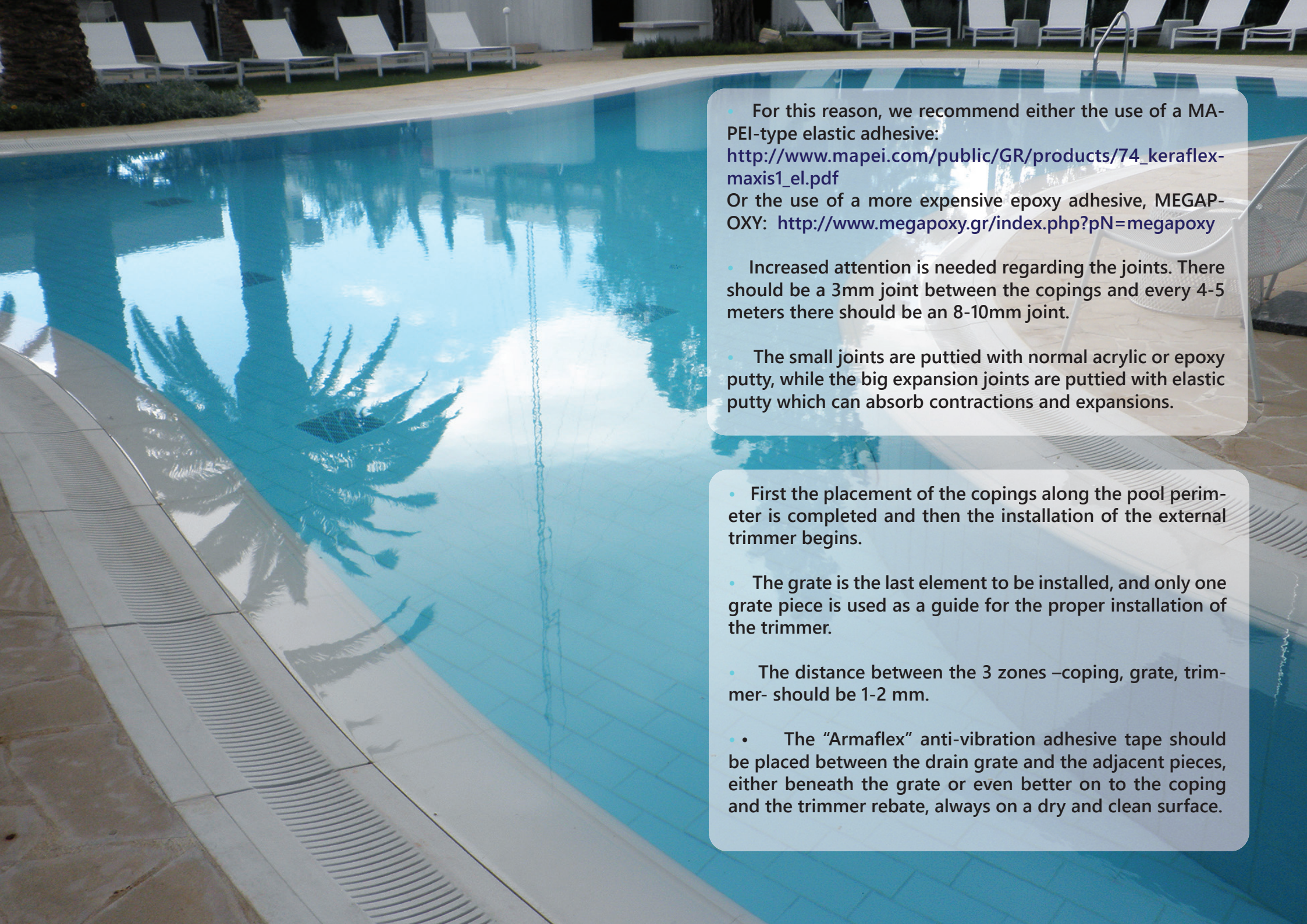
the surface and ensure that the corner pieces are installed first and are whole, without any corner cuts (preventing jagged edges).

- Pieces' cuts should be in the center of each side of the pool in order for the pieces to be equally shared and minimize the chances of placing small additional items in the corners.

- The engineering marble bonding cannot be achieved with the use of conventional adhesives, given that its absorbance is zero while its elasticity which derives from the large proportion of resin (7%) contained in engineering marbles composition, makes the copings move slightly during the summer months.





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- For this reason, we recommend either the use of a MAPEI-type elastic adhesive:

[http://www.mapei.com/public/GR/products/74\\_keraflex-maxis1\\_el.pdf](http://www.mapei.com/public/GR/products/74_keraflex-maxis1_el.pdf)

Or the use of a more expensive epoxy adhesive, MEGAPOXY: <http://www.megapoxy.gr/index.php?pN=megapoxy>

- Increased attention is needed regarding the joints. There should be a 3mm joint between the copings and every 4-5 meters there should be an 8-10mm joint.

- The small joints are puttied with normal acrylic or epoxy putty, while the big expansion joints are puttied with elastic putty which can absorb contractions and expansions.

- First the placement of the copings along the pool perimeter is completed and then the installation of the external trimmer begins.

- The grate is the last element to be installed, and only one grate piece is used as a guide for the proper installation of the trimmer.

- The distance between the 3 zones –coping, grate, trimmer- should be 1-2 mm.

- • The “Armaflex” anti-vibration adhesive tape should be placed between the drain grate and the adjacent pieces, either beneath the grate or even better on to the coping and the trimmer rebate, always on a dry and clean surface.