



# ROTATING CONCRETE



Normally, concrete is used as load bearing system in columns or walls. This system is static and load bearing is its only function. To make more use out of the load bearing system, it can be combined with another function. This other function is a solar system. Rotating concrete combines these two systems. Shaped as a vertical plate of 1,5m wide and 10m long. The type of concrete used for the plate is C25. The rotation point is made out of a bowl shaped element which can turn in its counter shaped element. Due to the heavy friction in the rotation point, concrete type C800 is necessary. To make the friction less, oil will be used between the two elements. Using rotating concrete, the building doesn't have any stability. Therefore it is necessary to use a concrete core which provides stability by connections via the roof.

