

The Eurocell[®] factor

An objective standard of reference for calculating economy.

When comparing Eurocell[®] with conventional fillers account should always be taken of Eurocell[®]'s low effective density. A useful standard of reference is the Eurocell[®] factor, which enables simple volumetric ratios to be calculated.

This means that for a given weight the volume of Eurocell[®] will be 14 times greater than the volume of talc.

Similarly, the costs for a given weight of Eurocell[®] must be divided by 14 when comparing Eurocell[®] with talc.

An example of calculation

Suppose that Eurocell[®] is to be compared with talc.

For this purpose the relative density of talc (2.8 g/cm³) is divided by the effective density of Eurocell[®] 302 (0.2 g/cm³):

$$2.8 / 0.2 = 14$$

Some Eurocell[®] factors

The following table shows the Eurocell[®] factors for the most commonly used fillers.

Filler	Relative density g/cm ³	Eurocell [®] factor
Talc	2.8	14.0
Limestone	2.7	13.5
Silica	2.6	13.0
Glass	2.6	13.0
Aluminium trihydrate	2.4	12.0
Resin	1.1	5.5

