

Gabbrielli, Ruggero; O’Keeffe, Michael

A new simple tiling, with unusual properties, by a polyhedron with 14 faces. (English)

[Zbl 1370.52059](#)

Acta Crystallogr., Sect. A 64, No. 3, 430-431 (2008).

Summary: A monotypic simple tiling by a 14-face polyhedron that does not admit an isohedral tiling is described. The tiling is triclinic and contains four distinct, but combinatorially equivalent, kinds of tile.

MSC:

[52C22](#) Tilings in n dimensions (aspects of discrete geometry)

[51M20](#) Polyhedra and polytopes; regular figures, division of spaces

[82D25](#) Statistical mechanical studies of crystals

Keywords:

[simple tiling](#)

Full Text: [DOI](#)