

## **On saturated bi-layered disk shaped tetrahedral packings**

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Recently, a wide range of living tissues which are relatively planar have been extensively studied experimentally. A process for synthesizing silicate/mardanite membranes with disc shape was experimentally successful, and compression strength of membrane was satisfactory. We describe saturated triangle packings in the plane realized by equilateral non-overlapping triangles which are infinitesimally rigid in the plane and can be extended to saturated bilayer tetrahedral packings which are disc shaped and essentially planar.