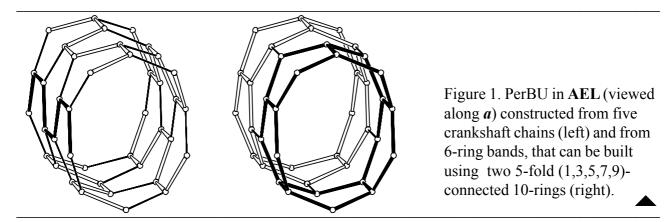
Building scheme for AEL



1. Periodic Building Unit – 2. Connection mode – 3. Projections of the unit cell content 4. Channels and/or cages – 5. Supplementary information

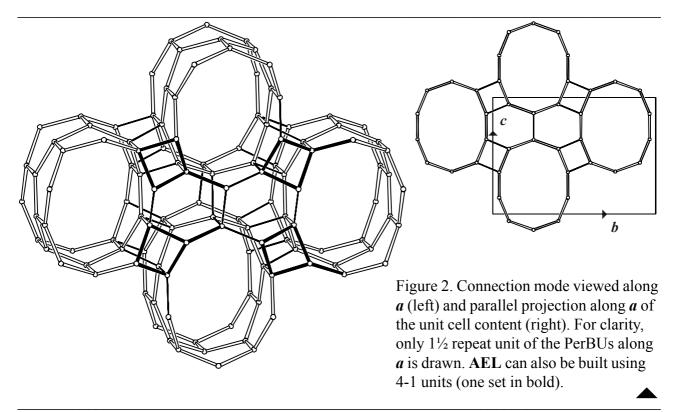
1. Periodic Building Unit:

AEL can be built using the crankshaft chain (bold in Figure 1 (left)) running parallel to **a**. The repeat distance along a crankshaft chain varies between 8.4-9.9 Å. The repeat unit consists of 4 T atoms. A one-dimensional Periodic Building Unit (PerBU) is obtained when five crankshaft chains are connected into a channel with a 10-ring aperture. The channel wall consists of fused 6-rings. The repeat unit of the PerBU is a cylindrical 6-ring band of 20 T atoms (bold in Figure 1 (right)).



2. Connection mode:

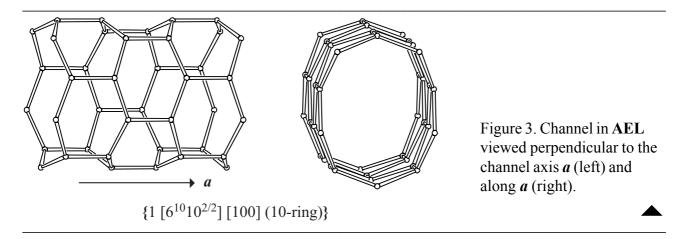
Neighboring PerBUs, related by a pure translation along c and by a shift of $\frac{1}{2}(a+b+c)$, are connected through 4-rings forming a single- and a double-crankshaft chain, respectively.



3. Projections of the unit cell content: See Figure 2.

4. Channels and/or cages:

The non-interconnecting one-dimensional channels in **AEL**, parallel to *a*, are topologically equivalent to the channels in **AFO** and **AHT**. One channel is depicted in Figure 3. The **poredescriptor** is added.



5. Supplementary information:

Other framework types containing crankshaft chains

In several framework types at least one of the unit cell dimensions is between 8.4 and 9.9 Å. In many cases this indicates the presence of crankshaft chains.

In the **INTRO** pages links are given to detailed descriptions of these framework types (choose: **Crankshaft chains**). There is also a link provided to a summary of the Periodic Building Units used in the building schemes of these framework types (choose: **Appendix**; **Figure 3**).