In this talk we will show that if $X$ is a compact $T_2$ space cleavable over a Fréchet-Urysohn linearly ordered topological space (LOTS) $Y$, then $X$ does not have to be homeomorphic to a subspace of $Y$. We will then discover the conditions under which cleavability implies a homeomorphism exists. Furthermore, we will show that if $X$ is a compactum cleavable over a Fréchet-Urysohn LOTS, then $X$ is a LOTS. (Received July 07, 2010)