

Hydroxyapatite (HA) and porous coating

Approved by the FDA in 2005, hydroxyapatite (HA), a naturally occurring, crystalline component of healthy bone is applied into the surface of Athletic Knee Implants as a thin plasma coating, improving bone integration into press-fit implants. Figure 3 shows a porous-coated tibial implant baseplate without HA coating and Figure 4 shows a porous coated tibial implant baseplate with HA coating.



Figure 3. Tibial baseplate reveals porous surface (Duracon knee implant [Stryker Orthopaedics])



Figure 4. HA coating on tibia baseplate promotes bone integration.