

Sport Systems Unlimited Technical Information Pieces (TIP's)

WHAT IS AN ANODIZED FINISH?

The details of the anodizing process are proprietary to the anodizing industry, however, the scientific knowledge behind it is common knowledge.

Anodizing is a process whereby the surface of the aluminum is oxidized through a controlled application of Direct Current (DC) voltage between an electrolyte and the aluminum.

The voltage is carefully regulated to achieve the desired anodized layer. This layer is completely uniform with no weak spots or pinholes, because the thinner oxidized layer still conducts an electric current and the anodizing process continues until the total surface is covered uniformly and there is no more current flow at that applied potential.

The anodized layer is chemically bonded to the aluminum and is actually much harder than the aluminum itself – in fact, nearly the hardness of diamond.

Anodizing revolutionized the look of office and commercial buildings in the 1970's to the extent where today 99% of front entrances and windows are constructed using anodized aluminum.

This exact same technology is an integral part of Sport Systems dasher boards – our anodized aluminum framing will not rust, discolor, peel, fade, or oxidize over time.