

In this method of coating, the coating is fused into the glass at 650-700 degree Celsius, and on cooling; the coating becomes a part of the glass.

Benefit of hard coated glass is the durability, it could also be handled like regular/annealed glass, could be effortlessly temperature strengthened, toughened, laminated or curved. These glasses could also be used in single or sole glazing without any fear of losing the finish. Soft coat glasses are liable to scratch and ruin over time, and requires particular handling, hard coated glasses were invented just to counteract this difficulty. Only shortcoming is the variety of colors available when compared to off line coating.

Hard coated glasses could be made either by atmospheric pressure vapor deposition (APCVD) or by spray technology

Spray hard coated glass is manufactured by spraying liquid composition of coating additives on to the semi-molten glass. This process could not produce a uniform desired result like APCVD, as the process is not easily controllable, the deposition rate would also vary from APCVD.