

Coating Process (1)*	Substrate	Resultant Coating
* Note: The numbers in brackets refer to the Notes following this table.		
<p>B. 2. Ion assisted resistive heating Physical Vapour Deposition (Ion Plating)</p> <p>B. 3. Physical Vapour Deposition: "laser" evaporation</p> <p>B. 4. Physical Vapour Deposition: cathodic arc discharge</p>	<p>Ceramics and Low-expansion glasses (14)</p> <p>Carbon-carbon, Ceramic and Metal "matrix" "composites"</p> <p>Cemented tungsten carbide (16), Silicon carbide</p> <p>Molybdenum and Molybdenum alloys</p> <p>Beryllium and Beryllium alloys</p> <p>Sensor window materials</p> <p>Ceramics and Low-expansion glasses (14)</p> <p>Carbon-carbon, Ceramic and Metal "matrix" "composites"</p> <p>Cemented tungsten carbide (16), Silicon carbide</p> <p>Molybdenum and Molybdenum alloys</p> <p>Beryllium and Beryllium alloys</p> <p>Sensor window materials (9)</p> <p>"Superalloys"</p> <p>Polymers (11) and Organic "matrix" "composites"</p>	<p>Dielectric layers (15)</p> <p>Dielectric layers (15)</p> <p>Dielectric layers (15)</p> <p>Dielectric layers (15)</p> <p>Dielectric layers (15)</p> <p>Dielectric layers (15)</p> <p>Silicides Dielectric layers (15)</p> <p>Dielectric layers (15)</p> <p>Dielectric layers (15)</p> <p>Dielectric layers (15)</p> <p>Dielectric layers (15)</p> <p>Dielectric layers (15) Diamond-like carbon</p> <p>Alloyed silicides Alloyed aluminides (2) MCrAlX (5)</p> <p>Borides Carbides Nitrides</p>
<p>C. Pack cementation (see A above for out-of-pack cementation) (10)</p>	<p>Carbon-carbon, Ceramic and metal "matrix" "composites"</p> <p>Titanium alloys (13)</p> <p>Refractory metals and alloys (8)</p>	<p>Silicides Carbides Mixtures thereof (4)</p> <p>Silicides Aluminides Alloyed aluminides (2)</p> <p>Silicides Oxides</p>
<p>D. Plasma spraying</p>	<p>"Superalloys"</p>	<p>MCrAlX (5) Modified zirconia (12) Mixtures thereof (4) Abradable Nickel-Graphite Abradable Ni-Cr-Al-Bentonite Abradable Al-Si- Polyester Alloyed aluminides (2)</p>