

Coating Process (1)*		Substrate	Resultant Coating
B.	3. Physical Vapour Deposition: "laser" evaporation	Ceramics and Low-expansion glasses (14)	Silicides Dielectric layers (15)
		Carbon-carbon, Ceramic and Metal "matrix"composites"	Dielectric layers (15)
		Cemented tungsten carbide (16), Silicon carbide	Dielectric layers (15)
		Molybdenum and Molybdenum alloys	Dielectric layers (15)
		Beryllium and Beryllium alloys	Dielectric layers (15)
	4. Physical Vapour Deposition: cathodic arc discharge	Sensor window materials (9)	Dielectric layers (15) Diamond-like carbon
	"Superalloys"	Alloyed silicides Alloyed aluminides (2) MCrAIX (5)	
	Polymers (11) and Organic "matrix composites"	Borides Carbides Nitrides	
C.	Pack cementation (see A above for out-of-pack cementation) (10)	Carbon-carbon, Ceramic and Ceramic and metal "matrix"composites"	Silicides Carbides Mixtures thereof (4)
		Titanium alloys (13)	Silicides Aluminides Alloyed aluminides (2)
		Refractory metals and alloys (8)	Silicides Oxides
D.	Plasma spraying	"Superalloys"	MCrAIX (5) Modified zirconia (12) Mixtures thereof (4) Abradable Nickel- Graphite Abradable Ni-Cr-Al-Bentonite Abradable Al-Si- Polyester Alloyed aluminides (2)
		Aluminium alloys (6)	MCrAIX (5) Modified zirconia (12) Silicides Mixtures thereof (4)
		Refractory metals and alloys (8)	Aluminides Silicides Carbides
		Corrosion resistant steel (7)	Modified zirconia (12) Mixtures thereof (4)
		Titanium alloys (13)	Carbides Aluminides Silicides Alloyed aluminides (2) Abradable Nickel- Graphite Abradable Ni-Cr-Al-Bentonite Abradable Al-Si-Polyester

* The numbers in parenthesis refer to the Notes following this Table