

List of Sermatech Systems, with our alternative; where known May 2017

Sacrificial Aluminium	Description	Alternative to	Approval
IP9183	Ipcote sacrificial aluminium coating	Sermetal W and WFX	MSRR 9140 OMat 7/46B
IP9182	Less than 1% Chrome VI variant of Ipcote/W	Sermetal 1129	MSRR 9140
IP9184	Ipseal (Green) Ipseal (Khaki)	Sermetal 570A	MSRR 9140 OMat 7/168
IP9183 + IP9184		Sermetal 725 System	
PL177	Touch up for unburnished, cured Ipcote/W	Sermetal 196 T/Up	MSRR 9141 OMAT 7/47
PL270	Touch Up for Khaki Ipseal IP9184 and Sermaseal 570	Sermetal 750 T/Up	MSRR 9394 OMat 7/169A
PL150A	Touch up for green Ipseal IP9184		
IP9356	Ipthin 8-12 micron thin film version of Ipcote	Sermetal 709	MSRR 9356
IP9183-R1	Process for Smoothness as approved by Rolls	Sermetal 962 & CR Sermetal 1072; Top coat sealer	
IP9183	Polish Ipcote	Sermetal 5375	CPW 88
IP9444	Smoothseal, golden, translucent smooth Sealcoat	Sermetal 5380	MSRR 3010
IP1041 IPAL	Aluminium silica ceramic sulphidation high temperature	Sermalloy J Coating	MSRR 1041
Rockhard	Ask for the report by US Navy Lab Command, Sikorsky and McDonnell Douglas re Rockhard	Sermetal 1083/1089	
PL155-168	High Temperature marking paints	Sermetal 406-413, 739	Allied Signal MCS 9055K 1465
IP9138-R1	Air drying touch up for peened aluminium (962 etc)	Sermetal 249	
PL168-R1	High Temperature Marking Paint Yellow	Similar to Sermetal Type 405 – Yellow	

W2 is the high temperature cured (known as Type A in Rolls Royce) Sermetal: 560°C 1 hour; 540°C 4 hours; 515°C 5 hours

W4 is the 350°C burnished system (known as Type B in Rolls Royce)

725 = Sermetal W (or WFX) + Sermaseal 570

962: Similar to IP9356; now improved by IP9442 with smoother finish; can be sprayed thin or thicker film

TCS (Top Coat Sealer) was IP9444; for golden colour; now preferably IP9447 developed for Siemens seal coat with thicker build; 10+ microns and ultra smooth.

2241 is a system approved by Allison. It is similar to 5380, only the base Sermetal is 350°C cured, and then blasted – not burnished. This is then sealed with the 5380 sealcoat, the resulting finish is rougher, and darker than 5380

5380 is “Hudson ‘ed” the oxidised at 350°C

6000 is derived from 5380 – either a new seal coat over the top, or 2 seal coats?

The T Series gas generator case often uses Ser570, but can use alt 5380

New systems as we find them:

1321 LC (Low Chrome) primer + 1208 top coat for Mag and Aluminium (to Allison?)

SERMETAL 1382 A/B KIT for Bombarbier; 2 pack epoxy aluminium repair also OMAT 8/244

What is 622; 1192; 1072; 1624?

1. Topcoat – SermeTel 985 coating, C50133 (SOPM 20-60-02)
2. Protective Coating - Coating, C00250 BMS 14-4 Type 1, SERMETEL W
3. Protective Coating – Coating, C00251 BMS 14-4 Type 2, SERMETEL 249
4. Protective Coating – Coating, C00251 BMS 14-4 Type 2, SERMETEL, CATALYST 273