

TABLE 1.2 Summary of Polymer-BG Coatings by EPD Reported in the Literature—cont'd

Type of BG	Amount of BG	Size of BG	Polymer	Addition	Suspension Solvent	EPD Parameter	Substrate Material	Coating Thickness	Source
6P61: SiO ₂ -Na ₂ O-K ₂ O-CaO-MgO-P ₂ O ₅	1.5 g/90 mL	300–800 nm	–	–	EtOH	30,50,75V, 2,5,10 min	Ti ₆ Al ₄ V		Stojanovic et al. (2007)
45S5	10, 20 wt%	1–15 μm	–	–	DI	2–10V/cm, 3–6 min	SS	≤ 40 μm	Cho et al. (2009)
47.8SiO ₂ –25.1CaO–22.6Na ₂ O–4.6P ₂ O ₅	0.15–0.25 g/15 mL	20–80 nm		–	EtOH	30V, 2 min	SS	5 μm	Graubmann et al. (2013)
45S5	25 wt%	<5 μm	–	CNTs	DI	5V, 7 min (BG only)	SS	< 100 μm (BG only)	Schausten et al. (2010)
						4V, 6 min (co-deposition)		~30 μm (co-deposition)	
55SiO ₂ -26CaO-13MgO-6P ₂ O ₅ (mol%)	10 wt%	Micro-particles	–	YSZ	Isopropanol	70V, 5 min	YSZ on Ti ₆ Al ₄ V	15 μm	Ananth et al. (2013)
45S5	50 wt%	<2 μm	–	HA	Isopropanol	30V, 120 s	MAO-CPTi	13.4 ± 1.3 μm	Farnoush et al. (2015)