PreKote® vs. Gel Technologies

PreKote® Surface Pretreatment

	PreKote®	Gel Technologies	Takeaway
	Application Process / Ease of Use		
1	» Ready-to-use solution	» Not ready-to-use: 2-part kit that must be mixed manually	*PreKote does not require mixing—simply open and use—thus saving time and labor costs.*
2	» Can be used on any surface	» Usage limited to certain metals	*PreKote is a more versatile product; it can be used on any painted or paintable surface.*
3	» Can be used on composites and scuff-sanded paint	» CANNOT be used on composites and scuff-sanded paint	
4	» No pre-cleaning required	» Aircraft must be pre-cleaned with toxic alkaline wash and acid deoxidation (requiring two additional products)	*PreKote does not require use of additional cleaning products prior to application—saving time and reducing labor costs.*
5	» Induction time: None - Can be used immediately	» Induction time: 30-minutes	*PreKote can be applied immediately after opening, thus saving time.*
6	» Does not require masking of non-aluminum areas	» Requires masking of non-aluminum areas	*Not having to mask areas saves time/labor dollars.*
7	» It's impossible to apply excess PreKote®	» If excess product is applied, existing product must be removed and entire process must be repeated	*As potential for human error is always present, using PreKote minimizes errors saving time and money.*
8	» Product is rinsed off	» Product must dry evenly	*Using PreKote mitigates "puddling" concerns.*
9	» PreKote overspray can be removed with water	» Overspray removal requires user to scrape off	*PreKote saves time.*
10	» Application temp: 40-110 °F	» Application temp: 57-87 °F	*PreKote's wider temperature application range means greater flexibility in when aircraft can be painted.*
11	» No pot life	» 4-hour pot life	*PreKote does not have to be disposed of after partial usage, thus preventing product waste and maximizing scheduling flexibility.*
12	» PreKote provides a water break-free surface	» The aircraft MUST be cleaned to ensure a water break-free surface.	*Using PreKote requires fewer steps —saving time.*
	Environmental, Health, & Safety Factors		
13	» No hazardous by-products	» Hazardous by-products created post usage: carbon monoxide and carbon dioxide	*PreKote does not pose any ventilation risks/hazards.*
14	» Non-hazardous waste	» Classified as hazardous waste	*PreKote alone does not create hazardous waste. Hazards are limited to only those removed from the surface being prepared.*
15	» SDS warnings listed: mild irritant	» SDS warnings listed: corrosion and health hazards; In addition, these products contain a reproductive toxin.	*PreKote is much safer for people to use.*
16	» NFPA Label: Health = 1	» NFPA Label: Part A: Health = 1; Flammable = 1 / Part B: Health = 3; Flammable = 1	
17	» Odor: None	» Odor: Slight vinegar-like smell	*PreKote is odor-free, thus improving working conditions.*
	Cost Factors		
18	» Shelf Life: 36 months unopened; 12 months opened	» Shelf Life: 12 months unopened; 24 hours once mixed	*PreKote's extended shelf life means less product waste.*
19	» PreKote may be rinsed with any municipal water	» Strict rinse water requirements: water must be less than 200 ppm total dissolved solids	*Reduced hassle; saves time and reduces labor costs associated with water testing.*
20	» Pre-cleaning solvents are not required. Simply strip plane, rinse, then apply PreKote.	» Prior to use, must pre-clean aircraft using solvents such as MEK, IPA, MPK or alkaline cleaner	*PreKote saves labor dollars and reduces product cost.*
21	» PreKote does not require an additional deoxidation step/product	» Requires deoxidation with acid or manually	*Using PreKote means fewer products and less labor.*
	Product History & Testing		
22	» USAF tested and implemented on all platforms	» USAF study confirmed PreKote is superior to alternatives	*PreKote has been used on all platforms in the USAF for over two decades.*
23	» In use since 1998	» In use since 2004	*PreKote has been in service longer; It has been used on tens of thousands of planes.*
24	» Received EPA Design for the Environment Recognition	» Not recognized by the EPA	*PreKote is recognized by the Environmental Protection Agency (EPA) DfE program.*

Technical Questions or Concerns?
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