SHIVA CO.
The Coaters
An ISO 9001:2000 Company

XYLAN COATINGS COMPARISON

Product	Low Friction	Non-stick	Corrosion Resist.	Abrasion Resist.	D.F.T. per coat	# Coats	Cure Temp. °C/ #mins (PMT)	Working Temp. °C min/max	Solvent-borne	Water-borne	Colours	Comments/Uses
Dykor 202/204/205	NNS	NNS	10	7	100 ± 25µ	1 of each	275-290/ **	-60 to +150	√		Dark grey	PVDF dispersions. Multicoat system for chemical & corrosion resistance. Typical applications: chemical processing equipment, valves, pipe fittings, clutch discs, etc.
Dykor 810 over 71-050	NNS	10	8	7	4060 = 12.5±2.5µ 810 = 35±5µ	1 of each (or more)	330-380 **	-195 to +260	Powder over wet primer		Primer dependent	Powder (PFA) fluoropolymer coating with good chemical/corrosion resistance and electrical insulating properties. Typical applications: chemical processing equipment, food industry, etc.
Dykor 815 over Xylan 4060	NNS	10	10	7	4060 = 12.5±2.5µ 815 = 85±5µ	Up to 8	340-400 **	-200 to +260	Powder over wet primer		Primer dependent	High-build PFA powder coating up to 500µ in 8 coats. Pinhole-free at max film build (10KV). Typical application: chemical processing equipment.
Dykor 830	NNS	NNS	10	7	175 ± 25µ	Up to 5	275 **	-40 to +150	Powder		Un-pigmented	Chemical-resistant, PVDF-based powder coating designed for chemical processing equipment.
Dykor 875 over Xylan 4060	NNS	NNS	10	7	4060 = 12.5±2.5µ 875 = 100 ± 10µ	Up to 8	330-400 **	-40 to +250	Powder over wet primer		Un-pigmented	High-build MFA coating designed for applications where high chemical protection is required, for example chemical processing equipment.
Eclipse 7050/7252/7353	NNS	8	NNS	10	Total = 39.5 ±4.5µ	1 of each	425-440/ 5min	-195 to 260		√	Metallic range	Internally-reinforced, high-temperature resistant, food-safe nonstick with excellent abrasion resistance. Typical applications include industrial bakeware and food-processing equipment such as hoppers, moulds etc..
Xylan 1010	10	2	4	3	20 ± 5µ	1 or more	220-345/ 20-5min	-195 to +260	Both available		No light shades	General purpose coating for dry lubrication in high-speed and/or low-temperature environments. Typical applications include rotary actuators, bearings, carburettors & garden tools.
Xylan 1014	8	NNS	5	4	20 ± 5µ	1 or more	220-345/ 20-5min	-195 to +260	Both available		No light shades	Improved abrasion resistance over Xylan 1010. Typical applications: hinge pins, piston casings, compressors, fasteners, etc.
Xylan 1052	6	NNS	4	4	15 ± 5µ	1 or more	220-345/ 20-5min	-195 to +260	√		Dark only	Extreme pressure capability. Coating contains MoS_2/PTFE. Typical applications: bearings, valve springs, sealing rings, etc.
Xylan 1070	8	NNS	6	4	20 ± 5µ	1 or more	205-345/ 30-5min	-195 to +260	√		No light shades	Stud-bolt coating used over phosphate or other pretreatment to achieve up to 3,000 hrs salt-spray. Typical application: threaded fasteners.
Xylan 1212	NNS	NNS	8	4	20 ± 5µ	1 or more	175-205/ 60-15min	-20 to +180		√	No light shades	Waterborne thin-film barrier coating with excellent corrosion resistance, ideal where tolerance is critical. Typical applications: offshore components.
Xylan 1213	8	NNS	6	4	17.5 ± 2.5µ	1	205-275/ 10-5min	-20 to +180		√	Grey	Waterborne, dry-film lubricant designed for high-pressure/low-speed applications. Typical applications: offshore mechanisms.
Xylan 1270	5	NNS	7	3	20 ± 5µ	1 or more	180-260/ 30-5min	-50 to +200	√		Range	Tough coating offering excellent protection against atmospheric corrosion. Ideal for fasteners, saw blades, industrial files, etc.
Xylan 1311	NNS	NNS	9	8	22.5 ± 2.5µ	1 or more	375-400/ 15-5min	-20 to +230		√	Dark only	Similar to 1331 with less PTFE for when abrasion resistance is more important than lubrication. Typical application: offshore blow-out preventors.
Xylan 1331	9	NNS	9	6	22.5 ± 2.5µ	1	375-400/ 15-5min	-20 to +230		√	Range	Dry-film lubricant containing PPS and PTFE for outstanding wear, abrasion and chemical resistance. Typical application: offshore down-hole tools
Xylan 1424	8	NNS	8	4	17.5 ± 2.5µ	1 or more	205-275/ 15-5min	-20 to +180		√	Range incl. off-white	Low-friction coating with excellent corrosion resistance. Designed for fasteners, piston casings, compressors, etc.
Xylan 1425	6	NNS	6	4	17.5 ± 2.5µ	1 or more	205-275/ 15-5min	-20 to +180		√	Dark only	Low-friction coating with extreme pressure capability. Contains MoS_2/PTFE. Typical applications include offshore valves.
Xylan 1427	6	NNS	8	4	17.5 ± 2.5µ	1 or more	205-275/ 15-5min	-20 to +180		√	Range incl. off-white	Low-friction coating with excellent corrosion resistance. Designed for fasteners etc. to reduce make-up and break-out torque.
Xylan 1514	9	3	3	4	20 ± 5µ	1 or more	220-275/ 30-5min	-40 to +220	√		Range incl. white	Decorative coating with low-friction properties. Good UV and abrasion resistance. Typical applications: cooling fans, light fittings, personal-care products, radomes, I-O drives, etc.
Xylan 1756 over 4289	4	9	8	4	4289 = 12 ± 3µ 1756 = 15 ± 5µ	3 or more	375-420/ 10-5min	-195 to +205		√	Green, blue, brown	Multicoat FEP system, typically used for mould release and industrial bakeware.
Xylan 4090	NNS	NNS	6	4	20 ± 5µ	1	220-345/ 20-5min	-195 to +285	√		Red and clear	Optional primer for use under the 1000 series of coatings. Note: clear coating also known as Primer P92
Xylan 5110	6	2	2	3	6 ± 1µ	2 or 3	220-315/ 20-5min	-195 to +260		√	No light shades	Dip/spin: low-friction, high-temperature-resistant coating designed for small components such as screws and threaded fasteners.
Xylan 5164	8	3	3	4	7 ± 1µ	2 or more	220-275/ 30-5mins	-40 to +220	√		Range incl. white	Dip/spin: low-friction coating for bulk application to wood screws, threaded fasteners, etc. Excellent UV resistance.
Xylan 5230	3	NNS	7	3	7 ± 1µ	2 or 3	180-260/ 30-5min	-50 to +200	√		Range	Dip/spin: controlled friction to suit torque tension. 240 hours salt-spray over phosphate. Fasteners, etc., especially for the automotive industry.
Xylan 5250	NNS	NNS	7	3	7 ± 1µ	2 or 3	190-220/ 30-10min	-50 to +200	√		Range	Dip/spin: Corrosion-resistant coating for fasteners, screws, stamps, etc. especially for the building, roofing and appliance industries.
Xylan 5611	NNS	NNS	8	6	7 ± 1µ	2 or 3	205-220/ 10-5min	-55 to +175	√		Silver grey	Dip/spin: zinc-rich coating offering excellent corrosion resistance for fasteners, screws, transmission shafts, etc., especially for the building, roofing and appliance industries.
Xylan 8110	10	3	4	3	20 ± 5µ	1 or more	315-345/ 15-5min	-195 to +260	√		Dark only	Food-safe version of Xylan 1010. Typical applications: food chutes, sweet moulds, knife blades.
Xylan 8221/8224	NNS	8	2	5	8221 = 10 ± 2µ 8224 = 20 ± 1µ	1 of each	425-430/ 5min	-195 to +260		√	Metallic range	Two-coat, food-safe fluoropolymer system for nonstick. Typical applications include mould release and industrial bakeware.
Xylan 8810	NNS	7	NNS	3	22.5 ± 2.5µ	1 or more	375-420/ 15-5min	-40 to +230	√		Range, incl. metallics	Excellent nonstick, stain-resistant food-safe coating. Typical applications include mould release, kettle elements, heater sealing bars, etc.
Xylan 8840	NNS	7	NNS	6	15 ± 2µ	1 or more	375-420/ 15-5min	-40 to +205	√		Range	Excellent nonstick, easy-clean, food-safe coating for mould release in both engineering (e.g. for tyres/polyurethane) and food industries (e.g. bakeware)
Xylan 8870	NNS	7	NNS	7	15 ± 2µ	1 or more	375-420/ 15-5min	-40 to +205	√		Range	Reinforced food-safe coating for excellent release and abrasion resistance. Typical applications include mould release in a range of industries.
Xylan XL 71-050/72-151/72-252/73-353	NNS	10	8	10	Total = 63 ±7µ	1 of each	400-430/ 15-5min	-195 to 260 PFA 205 FEP	Waterborne (except 72-252 powder)		Metallic pewter	Internally-reinforced, high-temperature resistant, food-safe nonstick designed for high quality industrial bakeware. Choice of topcoats: PFA (higher use temperature) or FEP (for high sugar-content baking).
Xylar 1	NNS	NNS	9	8	20 ± 5µ	1 or more	343-400/ 30-15min	-40 to +535		√	Silver	Aluminium "cermet" coating. Excellent chemical, corrosion and abrasion resistance at extreme temperatures. Ideal for aerospace and marine industry components.
Xylar 101	NNS	NNS	NNS	9	10 ± 2µ	1 or more	343-400/ 30-15min	-40 to +870		√	Black brown, olive	Sealer/topcoat to enhance performance of Xylar 1 (to 535°C max.). Can be used as a single product to 870°C. Typical applications: marine hardware, car exhausts.
Xylar 2	NNS	NNS	9	8	25 ± 5µ	2 or more	343-400/ 30-15min	-40 to +535		√	Silver	As Xylar 1, but higher film builds possible. Typical applications: aerospace and marine industry components, automotive engine and exhaust parts.
Xylar 201	10	8	NNS	8	25 ± 5µ	1	343-400/ 30-15min	-40 to +260		√	Green, black, off-white	Excellent ceramic-based low-friction coating with extreme pressure capability. Can be used as a one-coat or as a topcoat over Xylar 1. Typical application: industrial moulds (for non-food applications). Xylar 201 has the best "hot hardness" of all known fluoropolymer coatings.

*Where: 1 = Low and 10 = High; NNS = Not Normally Specified for this Coating; ** = Until Complete Melt flow is achieved*

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