

AAA SPRAY EQUIPMENT - PUMP & GUN OPERATING PARAMETERS APPLICATION GUIDELINES

Teknos
Technical
Library

Coating
Guide

Version 3
July 2024

NB: 1 bar of
air pressure is
equivalent to
approximately
15 psi

PRODUCT	AQUAPRIMER 2900		AQUAPRIMER 3130, TEKNOSEAL 4002, ANTISTAIN AQUA 2901 & ANTISTAIN AQUA 5200		AQUATOP		AQUAFILLER 2800, TEKNOCOAT 2575 & TEKNOCLEAR 1332	
	COMPRESSED AIR FEED PRESSURE 90 - 100 PSI							
	PUMP OPERATING PARAMETERS							
RECOMMENDED PAINT FLUID DELIVERY PRESSURE	850 - 1,000 PSI		1,250 - 1,500 PSI		1,250 - 1,500 PSI		850 - 1,000 PSI	
PUMP PRESSURE SETTINGS	PSI	BAR	PSI	BAR	PSI	BAR	PSI	BAR
RATIO 28:1	30-36	2-2.4	43-54	2.8-3.6	43-54	2.8-3.6	30-36	2-2.4
RATIO 32:1	27-32	1.8-2.2	39-47	2.6-3.1	39-47	2.6-3.1	27-32	1.8-2.2
RATIO 40:1	21-25	1.4-1.7	31-37.5	2-2.5	31-37.5	2-2.5	21-25	1.4-1.7
RATIO 45:1	18-22	1.2-1.5	28-33	1.8-2.2	28-33	1.8-2.2	18-22	1.2-1.5
	PUMP CIRCULATION VALVE - FILTER MESH RECOMMENDATIONS							
	50/70/ 100 mesh		50/70/ 100 mesh		50/70/ 100 mesh		50/70/ 100 mesh	
	GUN OPERATING PARAMETERS							
ATOMISING AIR PRESSURE	20-30 psi							
	GUN FILTERS							
	180/200 mesh		100 mesh		100 mesh		180/200 mesh	
TIP SIZE	Metric	Imperial	Metric	Imperial	Metric	Imperial	Metric	Imperial
	0.23mm	09 thou	0.28/0.33mm	11 / 13 thou	0.28/0.33mm	11 / 13 thou	0.23/0.28mm	09 / 11 thou
	Tip fan angle							
EXTERIOR JOINERY / NARROW ITEMS	40°	40°	20°-40°	20°-40°	20°-40°	20°-40°	20°-40°	20°-40°
WIDE ITEMS (DOORS)	40°	40°	40°-60°	40°-60°	40°-60°	40°-60°	40°-60°	40°-60°

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