

# METALLIZING EQUIPMENT CO. PVT. LTD. - INDIA

## THERMAL SPRAY WIRES

MEC Alloy	Description	Equivalent to		NOMINAL COMPOSITION														Rockwell Hardness	
		TAFA	METCO & OTHERS	Ni	Co	Fe	Cr	W	Mo	Al	Si	Mn	SN	Ti	Cu	B	C		other
<b>IRON BASE HARDFACE ALLOYS</b>																			
MEC 50	FeAl	35MXC				BAL				5.5		1.0					2.0		30-35 C
MEC 223	LCr Carbide	98MXC		3.0		BAL	26.0		0.8		1.6	1.6					1.7		35-40 C
MEC 225	Cr Carbide					BAL	23.0				1.0	2.0					5.5		55-60 C
MEC 226	HCr Carbide		SM 8222			BAL	28.0				1.0						5.0		55-60 C
MEC 273	FeCrBSi	95MXC	Armacore M			BAL	29.0				1.4	1.7				3.7			55-60 C
MEC 285	Van Carbide			0.5		BAL		6.0	0.5		1.5	1.0					4.0	16.0 V	55-60 C
MEC 295	Tungsten Carbide					BAL	3.0	30.0	0.75								2.5		60-65 C
MEC 296	FeCrNiB	96MXC	Armacore 16	6.0		BAL	23.0		3.5		2.0	1.0		2.0	2.5				50-55 C
MEC 297	Tungsten Carbide	97MSC	Duocor	6.0		BAL	13.0				1.0	1.0			2.0			26 WC, 6.0 TiC	60-65 C
<b>COPPER BASE ALLOYS</b>																			
MEC 590	Al Bronze	10T	Spraybronz AA							7.0		0.4			BAL		0.5		62-68 B
MEC 599	Copper	05T											0.7		98.0		0.4		35-40 B
<b>ALUMINIUM BASE ALLOYS</b>																			
MEC 688	Al 12Si	01A				0.8				BAL	12.0	0.15							80-85 B
MEC 692	Al 6Si	01S	Metco SF			0.8				BAL	5.2	0.05		0.2					70-75 B
MEC 699	Aluminium	01T	Metco Al							99.5							0.5		60-65 B
<b>IRON BASE ALLOYS</b>																			
MEC 709	LC Steel	30T				BAL					0.2	0.8					0.15		95-105 B
MEC 710	SS 304	80T		9.3		BAL	19.0				1.0	2.0							90-100 B
MEC 714	HC Steel	38T	Spraysteel 80			BAL					0.3	0.7						0.81	20-25C
MEC 720	SS 420	60T	Metcoloy 2			BAL	13.0				1.0	1.0						0.33	40-45 C
MEC 730	SS 316	88T	Metcoloy 1	12.0		BAL	17.0		2.5		1.0	2.0						0.03	90-100 B
MEC 731	FeCrAl	Alcro				BAL	23.5			5.3	0.7	0.45							85-90 B
<b>NICKEL &amp; MOLY BASE ALLOYS</b>																			
MEC 806	Nickel	06T		99.0								0.30			0.15				55-60 B
MEC 818	Inconel 718	78T	SM 8718	BAL	1.0	17.0	19.0		3.0	0.6	0.35	0.35		0.9				Cb + Ta 5.1	25-30 C
MEC 821	Ni 20Cr	06C		BAL			20.0				1.0	2.5							85-95 B
MEC 860	Inconel 625	71T	SM 8625	BAL	1.0	5.0	21.5		9.0	0.4	0.5	0.5		0.4			0.08	Cb + Ta 3.6	90-95 B
MEC 876	Alloy C276	77T	SM 8276	BAL		5.0	15.0	4.0	16.0										30-40 C
MEC 884	Ni 20Al		Metco 405	BAL						20.0									60-80 B
MEC 885	Ni 5Al	75B	SM 8400	BAL						5.0									65-85 B
MEC 886	NiCrAl	73MXC	SM 8443	BAL			19.0			7.0									75-85 B
MEC 887	NiCrAlY	76MXC		BAL			22.0			10.0								1.0 Y	75-85 B
MEC 888	NiMoAlTi	74MXC	SM 8447	BAL					5.5	5.5									75-85 B
MEC 889	NiCrTi	45CT		BAL			43.5							0.7					30-35 C
MEC 899	Molybdenum	13T	Spraybond						99.5									0.15 O	15-35 C
<b>OTHER ALLOYS</b>																			
MEC 542	Babbitt	04T	Spraybabbitt										90.0		3.0			7.5 Sb	15-35
MEC 51	Zinc		Metco Zn															99.99 Zn	