

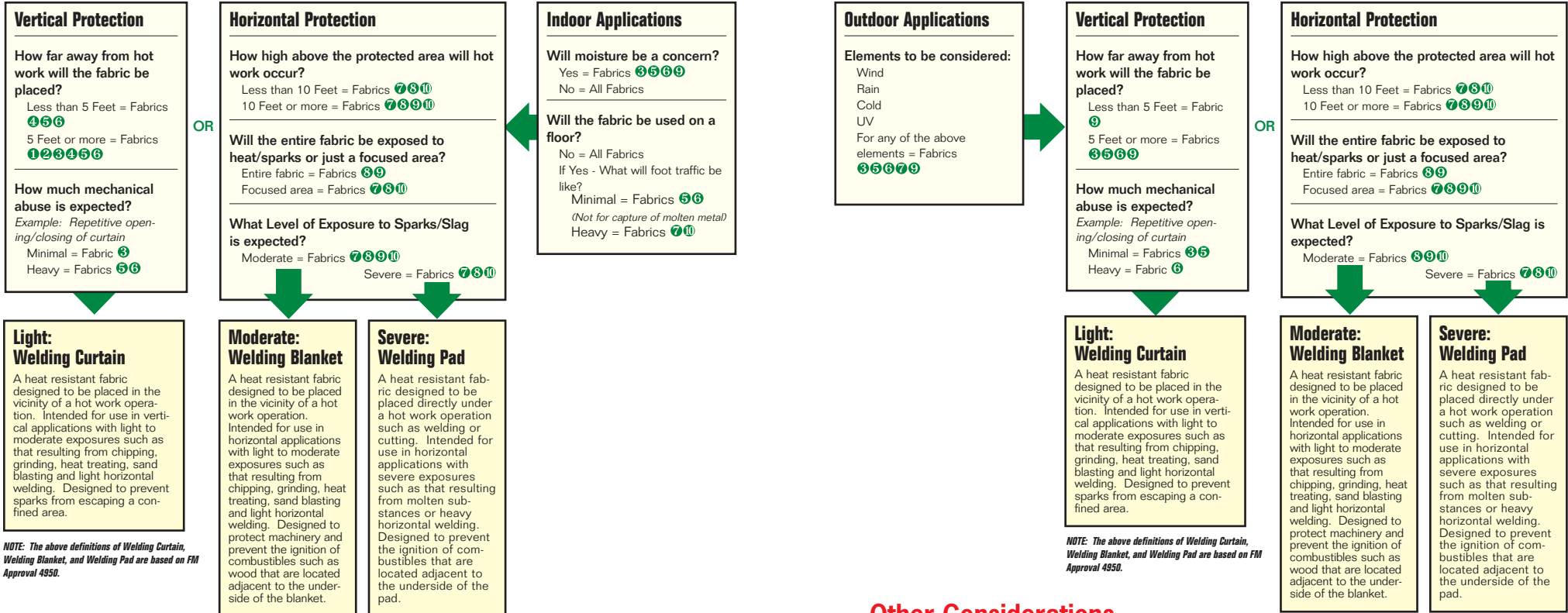
How to Choose the Right FM Approved Fabric for Hot Work Applications

Start here...

INSTRUCTIONS: 1) Match your product choice to the proper fabric(s) within the Hot Work Fabric Ratings Key. 2) Ask your supplier for a list of FM Approved hot work fabrics based on the ratings provided. 3) Refer to "Other Considerations" prior to requesting Samples, Specification Sheets and Material Safety Data Sheets. 4) Field testing is always recommended, especially when more than one fabric is indicated for your hot work application.

APPLICATION ENVIRONMENT

CAUTION: All fabrics are potentially subject to burn-through. To be effective, fabrics used for welding protection purposes must be utilized as part of a fire prevention system. They should always be employed in accordance with the procedures set forth in NFPA 51B Hot Work Standards.



Hot Work Fabrics Ratings Key

Fabric Rating	Key	FM Approved Category	Generic Product Type	Nominal Weight (oz./yd ²)	Nominal Thickness
Good	1	Curtain	Amorphous Silica	12	.028"
	1	Curtain	Amorphous Silica	18	.030"
	1	Curtain	Amorphous Silica	18	.026"
	2	Curtain	Fiberglass	13	.016"
	2	Curtain	Fiberglass	18	.036"
	2	Curtain	Fiberglass	24	.055"
Better	3	Curtain	Silicone-Coated Glass	14	.013"
	4	Curtain	Amorphous Silica	24	.040"
	5	Curtain	Silicone-Coated Glass	17	.016"
	5	Curtain	Silicone-Coated Glass	32	.035"
	6	Curtain	Neoprene-Coated Glass	21	.030"
	6	Curtain	Neoprene-Coated Glass	26	.055"
Best	7	Pad	Carbon-Glass Composite	20	.150"
	8	Pad	Amorphous Silica	36	.054"
	8	Pad	Amorphous Silica	40	.090"
	9	Blanket	Silicone-Coated Amorphous Silica	29	.047"
	10	Pad	Silicone Vermiculite Coated Glass	75	.115"

Disclaimer: Anyone intending to use the products identified and described in this publication, as well as the information or specifications concerning these products, should, before using them, be satisfied that the products are suitable for the intended use and meet all appropriate and applicable safety and health standards. The products identified and described in this publication will perform to any expressly indicated specifications only when properly used, and the user, not Auburn Manufacturing, is responsible for their proper use.

Other Considerations

Are there any specific durability requirements?
(Example: Fabric must remain intact on outdoor scaffolding for a period of two weeks.)

Yes = Fabrics 3 5 6 9

No = Fabric 8

Will chemical resistance be necessary?
If so, ask manufacturer for assistance.

Will work take place in an open or confined space? Note: In confined spaces, special attention must be given to fabric finishes and coatings as well as metal fumes from the hot works' processes. Refer to Material Safety Data Sheets and discuss specifically with fabric manufacturer.

Are there any special material requirements in your operation that you are aware of?

Does fabric need to meet Military Specifications or any Other Standards other than FM4950?

Examples:
MIL-C-20079G (+ Type and Class)
MIL-C-24576 (+ Type and Class)
MIL-I-24244B (Chemical Analysis and/or 28 day Stress Corrosion Testing)
NRC 1.36 (for nuclear applications)
NFPA 701 (Test Method I or II)

Does fabric require certification from manufacturer as to Country of Origin, Fiber Content, or other certification of any kind? If so, does specific shipment need to be tested and certified?

If you are looking for Roll Goods, is there a specific width required?
Fabrics are available in standard widths from 36" to 60". See Data Sheets for details.

For Roll Goods, is there a weight limitation per roll?
Example: Some plants are now requiring rolls less than 50 lbs for worker safety.

Yes = Ask supplier for roll weights.
No = Standard put-up is 50-yard rolls.

Are you looking for Finished Blankets/Curtains?
We recommend fabrics 4 5 6 7 8 9 10 for blankets.

For Finished Blankets/Curtains, what size is optimal?
Standard sizes are 6' x 6' and 6' x 8'

For Finished Blankets/Curtains, are grommets required?
Grommets are standard.

Example: Silicone-coated fabrics are not allowed to be used near automotive paint operations.



AMI FM Approved Fabric Product Guide

Fabric Rating	Rating	 Category	Product Code	Nominal Weight		Thickness		Product Type
				Oz/Yd ²	G/M ²	in	mm	
GOOD	1	Curtain	CAS1200	12	424	.028	0.71	AMI-SIL®
	1	Curtain	AS1800F	18	610	.030	0.76	AMI-SIL®
	1	Curtain	AS1800G	18	610	.026	0.66	AMI-SIL®
	2	Curtain	GL1300 COLORS	13	440	.016	0.41	AMI-GLAS®
	2	Curtain	GL2025-9383	18	610	.036	0.91	AMI-GLAS®
	2	Curtain	GL2401 COLORS	24	814	.055	1.39	AMI-GLAS®
	2	Curtain	GLV3201 TP	35	1186	.070	1.39	VEXTRA®
	2	Curtain	GLV3500 TP	38	1186	.080	2.03	VEXTRA®
	3	Curtain	SGL1400	14	475	.013	0.33	AMI-TUF®
BETTER	4	Curtain	AS2400	24	813	.040	1.02	AMI-SIL®
	5	Curtain	SGL1700	17	575	.016	0.41	AMI-TUF®
	5	Curtain	SGL3200	32	1085	.035	0.89	AMI-TUF®
	6	Curtain	GLN2025	21	712	.030	0.76	GOLDENGLAS®
	6	Curtain	GLN2401	27	915	.055	1.39	GOLDENGLAS®
	6	Blanket	SGLP3100	31	1051	.037	1.39	AMI-TUF® PLUS
BEST	7	Pad	PGL2000	20	678	.150	3.80	CARBO-GLAS®
	8	Pad	AS3600	36	1220	.054	1.37	AMI-SIL®
	8	Pad	CAS4000	40	1350	.090	2.28	AMI-SIL®
	9	Blanket	SAS2400-1	29	980	.047	1.19	AMI-SIL®
	9	Pad	SGLP14 Composite	55	1865	.250	.63	AMI-GUARD® FireQuilt™
	10	Pad	SGLV6000-1RED	75	2540	.115	2.92	VEXTRA®

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