

Choosing the Correct Facing For Your Fiberglass Insulation



WMP-VR

Polypropylene faced on front side, natural kraft paper backing on back side. Lowest priced. Generally used in a typical metal building application that does not require heavy facing. Industry standard.



WMP-VR-R

Polypropylene faced on front side, metallized polyester backing on back side. Provides a higher permeability than WMP-VR. Most commonly used. Generally used in a typical metal building application that does not require heavy facing.



WMP-10

Polypropylene faced on front side, white kraft paper backing on back side. Slightly heavier than WMP-VR. Generally used in a typical metal building application when walls are exposed to light to moderate traffic.



WMP-50

Polypropylene faced on front side, metallized polyester backing on back side. Twice as heavy and strong as WMP-VR-R. Generally used in a typical metal building application when walls are exposed to heavy traffic and abuse.



GymGuard

Polypropylene faced on front side, polyester fabric backing on back side. Woven product. Generally used in sporting facilities and high traffic areas where walls are exposed to heavy traffic and abuse.



Black Facing

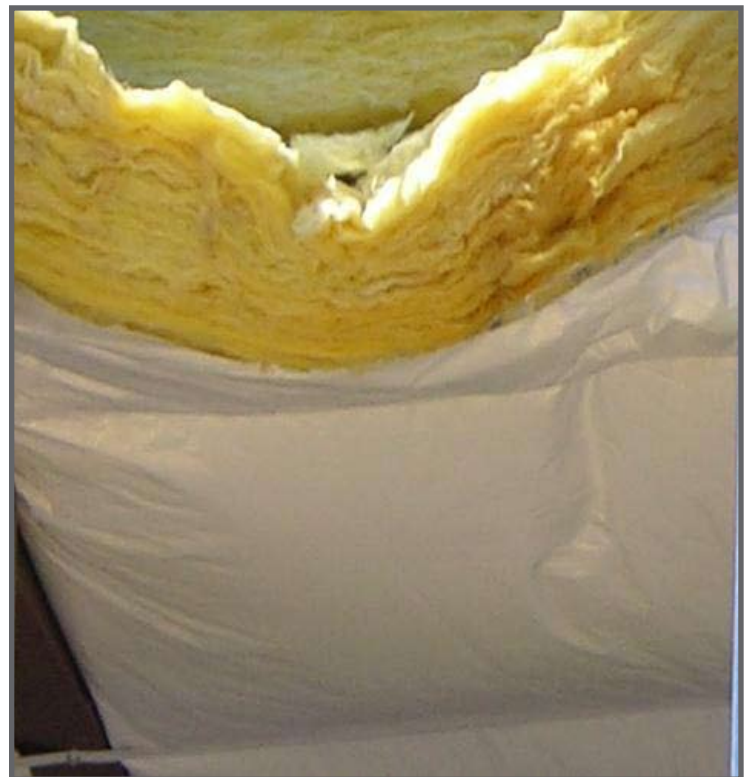
Black matte finish Polypropylene faced on front side, kraft paper or metallized polyester backing on back side. Generally used when designer doesn't want to draw attention to roof or ceiling. Lower cost than painting.

Facing materials are applied to fiberglass blankets to serve as a vapor retarder or barrier as well as a protected cover over the fiberglass. Facing material offers a clean finished look in any metal building environment. The most common facings, which are all UL rated and meet ASTM E 84, are manufactured by Lamtec Corporation. Facing materials are designed and manufactured to meet stringent requirements for strength, durability, and permeability (being a measurement of the rate of water vapor transfer).

"Not all metal building insulation facings are alike."

There are several types of facings, ranging from basic Kraft backed facing to high quality metallized facings. Some of the higher quality facings options include, but are not limited to:

- Exceptional high impact and tear strength, which is resistant to rips tears and punctures.
- Black facing, which is used to draw less attention to a roof or ceiling, which is a better alternative to painting.



***Facing specifications can be found at
www.metalbuildinginsulation.com***

Refacing a Previously Installed Fiberglass Blanket

Refacing damaged or torn prior faced fiberglass is not a simple process. In the past, existing fiberglass blankets were commonly installed from the exterior between a metal panel and wall girt or roof purlin. This material often times gets dirty and brittle or wet which can make it difficult to adhere a new facing covering to. A better application is to apply a new layer of fiberglass insulation, with facing applied to it, over the top of the existing worn insulation. When this application is used in the roof, the new fiberglass blankets are placed between the roof purlins and held by rows of steel banding placed 30” apart, which are screwed and secured to the bottom of the purlins. (Photos are shown at www.metalbuildinginsulation.com) Using this application on the walls, also would need to use a banding



system. It is important to bring the fiberglass thickness to be greater than the wall girt so the banding can have a belt effect, which will hold the blankets tight between the girt cavities. Additional photos of this can be found at www.metalbuildinginsulation.com in the Retrofit section.

Painting Facing Materials

A prominent facing manufacturer, Lamtec, does not recommend painting facing material. Any product containing polypropylene film should not be painted as there may be long term compatibility issues between the paint and the film. Aluminum foil facings, however, have been successfully painted with interior water based acrylic and with oil based paints. It is recommended that paint adhesion and flexibility should be tested. In any case, re coating a facing will change the flame spread and smoke developed rating. A technical bulletin can be found at Lamtec.com.

MetalBuildingInsulation.com offers an instant online quoting system that allows you to enter blanket thickness, choose your facing type, and enter the type of tabs you would like. It also allows you enter building dimensions or square footage for an instant quote.

Most Popular Facings - Specification Data						* Prices are per square foot				
Name	Construction	Cost Comparison per sq ft*	WVTR Perm	MD Tensile lbs/in	XD Tensile lbs/in	Mullen Burst psi	Beach Puncture	Chemical Resistance	ASTM E 84	Factory Mutual
WMP-VR	White polypropylene film, fiberglass & polyester scrim, 11# natural kraft (NOT METALLIZED)	-	0.09	40	30	60	125	Excellent	X	X
WMP-VR-R	White polypropylene film, fiberglass scrim, metallized polyester	2.5¢ over VR price per sq ft	0.02	35	35	90		Good	X	X
WPM-10	White polypropylene film, metallization, fiberglass & polyester scrim, 14# white kraft	3¢ over VR price per sq ft	0.02	40	35	65	125	Good	X	X
WMP-10 BLACK	Black poly-scrim-kraft facing standard duty	4¢ over VR price per sq ft	0.02	40	35	65	125	Good	X	X
WMP-50	White polypropylene film, fiberglass & polyester scrim, 30# natural kraft, metallized polyester	6¢ over VR price per sq ft	0.02	65	60	120	125	Good	X	X
WMP-50 BLACK	Black film, fiberglass & polyester scrim, 30# natural kraft, metallized polyester heavy duty	7¢ over VR price per sq ft	0.02	65	60	120	125	Good	X	X
GYMGUARD	White polypropylene film, metallization, fiberglass & polyester fabric	28¢ over VR price per sq ft	0.02	195	150	250	650	Good	X	X