



Where innovative ideas take hold.

TECHNICAL BULLETIN

**CHOOSING A METAL
BUILDING INSULATION
FACING**

Compac offers a number of different metal building insulation facings, or vapor retarders, for use in pre-engineered commercial and industrial building construction. The purpose of this document is to aid in choosing the product that best suits your requirements.

Table 1 describes application requirements, and references recommended facings. Table 2 describes those facings.

If you have further questions, please contact our Technical Service Manager:

Phone: 1-877-5COMPAC (1-877-526-6722), option 2

Email: cpetty@compacorp.com

Compac Corporation
103 Bilby Road
Hackettstown, NJ 07840
1-877-526-6722

CHOOSING A METAL BUILDING INSULATION FACING

TABLE 1- APPLICATION REQUIREMENTS

PARAMETER/ATTRIBUTE	REQUIREMENT	RECOMMENDED PRODUCTS
Permeance	0.02 perm max	MB 2001, MB 2003, MB 2005, MB 3007X
	0.10 perm max	VR 10
Non-vapor retarding	Breathable	ALL PRODUCTS, WHEN PERFORATED
Strength	Best	MB 2005
	Better	MB 2003, MB 2001
	Good	VR 10, MB 3007X
Abuse resistance	Best	MB 2005
	Better	MB 2003, MB 2001
	Good	VR 10, MB 3007X
White finish	Best	MB 2005, MB 2003, MB 2001
	Good	VR 10
Silver finish	Foil surface	MB 3007X
Smooth installed appearance	Best	MB 2005
	Better	VR 10, MB 2001, MB 2003
	Good	MB 3007X
Radiant barrier function	Very low emittance	MB 3007X
Composite fire resistance	25 flame/50 smoke max	ALL PRODUCTS
Price	Higher	MB 2005
	Mid range	MB 2001, MB 2003
	Lower	VR 10, MB 3007X

TABLE 2- CHOOSING MBI FACING

Please refer to individual product information sheets for physical properties.

PRODUCT	GENERIC TYPE*	FINISH (exposed) MATERIAL	REINFORCEMENT	BACKING MATERIAL
MB 2005	PSKP	White poly film	fiberglass & poly yarn & heavy kraft	Metalized silver poly film
MB 2003	PSK	Metalized white poly film	fiberglass & poly yarn	Heavy kraft
MB 2001	PSK	Metalized white poly film	fiberglass & poly yarn	Medium white kraft
VR 10	PSK	White poly film	fiberglass & poly yarn	Light kraft
MB 3007X	FSK	Aluminum foil	fiberglass & poly yarn	Heavy kraft

* Explanation of abbreviations:
P= Poly (plastic) film, used as finish and/or backing material
S= Scrim (yarn), used in reinforcement layer
K= Kraft (paper), used as backing material or in reinforcement layer
F= Foil (aluminum), used as finish material