TECHNICAL BULLETIN 211216

AllergyGuard® Window Screen
Engineered with BMT NanoScreen® Filtration Technology

AllergyGuard® Window Screen is a high-performing functional screen on rolls that blocks or restricts a wide spectrum of unwanted airborne particles including pollen and allergens as well as fly ash, agricultural dust, coal dust, bacteria and airborne droplets carrying a range of unwanted particles. A heavy-duty, highly durable, puncture resistant NanoScreen® technology product designed for window and door installation and any screened-in enclosure where protection is required.

The proprietary BMT NanoScreen® technology at the core of our AllergyGuard® Window Screen forms a defensive barrier to prevent entry of these unwanted airborne particles into the home, office, workspace, or institutional and industrial facilities.

AllergyGuard® is an Excellent Choice For:

• Real Estate Developers & Builders
• Individual Homeowners
• Condominium Owners
• Construction Companies
• Hotel & Hospitality Operations
• Government Agencies
• Allergy, Health & Wellness Institutions
• Architecture & Interior Design Firms
• Enclosed Greenhouse, Botanical & Sustainable Agriculture Operations
• Stables, Barns & Equestrian Facilities where Animal Allergy Defense is Required

KE Y PRODUCT FEATURES

• 3-layer construction / NanoScreen® functional core between heavy-duty exterior screen faces
• Extremely high puncture resistance of 487 Newtons
• More than 4 times stronger than conventional metal window screen
• Packed on 34 lb / 59” Width easy to handle rolls for rapid delivery to any location for cut & mount
• In addition to mounting in traditional window & door frames, can be hung in workspaces and industrial spaces where protection from unwanted airborne particles is required
• Field operation mounting permits AllergyGuard® to be hung or mounted by employee work teams using heavy-duty duct tape / Gorilla tape / or other improvised field attachment means / doorway entry flaps can be cut using a box knife
• Supports our environment and energy efficiency by reducing costly electricity consumption. Needless air conditioning expense can be eliminated for a significant portion of the year
• Engineered with BMT NanoScreen® Technology
TECHNICAL DATA & PACKING

BMT AllergyGuard® Window Screen products with NanoScreen® technology are engineered using advanced nanotechnology filtration design:

- Blocks or restricts a wide spectrum of pollen, allergens, fly ash, agricultural & coal dust, bacteria, and a range of airborne droplets that can carry many unwanted particles
- Excellent filtration efficiency
- High strength 3-layer construction delivers superior durability
- Washable with a gentle flow of water from any garden hose or with a soft rag
- Gray exterior face with black interior face for comfortable visibility looking out
- Available in 47” & 59” Roll Widths x 164 feet per roll
- Engineered with BMT NanoScreen® Technology
- Also available with FR / Flame Retardant & Anti-Static Performance Features

BMT AllergyGuard® Window Screen

BMT Type 9000
Construction = 3-Layer heavy duty PVC-coated exterior face with integrated BMT NanoScreen® functional filtration core
Screen Weight = 170 GSM
2 Roll Width Options = 47” & 59”
Roll Length = 50 meters = 164 Linear Feet
Roll Weight / 47” Width = 10.2 kg = 22.5 lbs.
Roll Weight / 59” Width = 12.75 kg = 28.1 lbs.
Color = Outside Gray / Inside Black

FOB BMT Warehouse LA / Chicago / Dallas / New York / Lincolnton NC
Subject to final confirmation by BMT

Just-In-Time program door deliveries from nationwide BMT warehouse locations are available under multi-month supply chain contracts. BMT trucking charges are subject to delivery destination & program volumes. Close-proximity new BMT warehouse setup is available for major program support.
REFERENCES

- Werner E. Bischoff, Katrina Swett, Iris Leng, Timothy R. Peters, Exposure to Influenza Virus Aerosols During Routine Patient Care, The Journal of Infectious Diseases, Volume 207, Issue 7, 1 April 2013, Pages 1037–1046.
REFERENCES
Continued


AllergyGuard® Window Screen is engineered specifically for window screen, door and outdoor enclosure applications with a need to balance airborne particle filtration with natural air flow. AllergyGuard®, BMT VirusGuard®, and NanoScreen® products have not been tested to prevent or reduce clinical infection and are not intended to replace N95 or any other filtration media or medical product that must be specifically approved by the FDA for use as medical device or product.

It is always the responsibility of the end user of BMT filtration products to conduct independent testing and certification to ensure compliance with federal, state, and local safety requirements that may apply to the final manufactured products.

For more advanced PPE filtration products for personal safety masks and safety barrier screen applications, please visit https://www.bmtvirusguard.com

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