





## SIMONA® PE Foam Board UV

*An innovative new product in the polyethylene range offering a lightweight, UV resistant and highly durable and impact resistant solution for your outdoor applications.*



### Advantages

- Integral color hides marring, scratches
- Solid polymer composition won't delaminate, rot or splinter
- Uniform color and surface consistency
- Maintenance-free, easy to clean
- Resists impacts, extreme weather
- Easy to fabricate using standard woodworking tools

### Applications

- Animal enclosures
- Horse stables (Mobile / Portable)
- Wash Bays

SIMONA® PE Foam Board is a unique thermoplastic alternative to traditional timber or rubber construction materials. This versatile material is virtually indestructible, lightweight, weatherproof and rust-, chemical- and mould-resistant.

PE Foam Board finds itself most at home in outdoor applications requiring a lightweight, durable material with good impact resistance, such as horse stables, animal enclosures. Simona PE Foam Board is easy to work with and can be cut, routed, drilled, & mechanically fastened with standard hardware materials such as screws and regular construction adhesives. Foam board also eliminates the need for regular weatherproofing and maintenance as required when using timber panels outdoors, providing long term cost savings.



# SIMONA® PE 100 Black / Natural HDPE



## HDPE Properties

UV Stabilised (Black only)

High Chemical Resistance

High Strength and Rigidity

Extremely Versatile

Some Grades approved for Food Contact

## General Fabrication Guidelines

- Ⓟ Standard wood- and metal-working equipment typically works well with SIMONA HDPE and PP sheet products, and high speed tools are recommended.
- Ⓟ Blades and bits for HDPE and PP designed by leading tool manufacturers for these materials are available from plastics distributors that offer SIMONA products.
- Ⓟ Plastics are insulating materials, and not good heat conductors.
- Ⓟ Use sharp tools to help avoid overheating, and clear away machining swarf and dust frequently to prevent build-up, binding and scorching.
- Ⓟ Cool with compressed air or water to help minimize overheating and improve productivity.
- Ⓟ Carbide-tipped tools yield a better surface and longer tool life.
- Ⓟ Standard tool steels also work well.
- Ⓟ Factor in thermal expansion and contraction.
- Ⓟ Dimensional changes with temperature variations occur with all materials.



## Global Thermoplastic Solutions

*Woodgrain, weatherproof HDPE polymer sheet. Exceptional performance. Ingrained beauty.*



### Advantages

- Long-term Color Performance
- Maintains Flatness
- UV and Weather Resistant
- Scratch Resistant
- Easy to Clean
- Impact Tough
- 100% Recyclable
- Easy to Fabricate

This tough UV resistant material withstands long term exposure to intense sun, salt water, and cleaning products. Made out of HDPE, a durable, impact resistant polymer, Polygrain® provides excellent protection from the effects of rigorous use and environmental exposure.





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