

Product Code	Available Facings	Product Code	Available Facings
QBK		QWH	
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QBK		QWH	

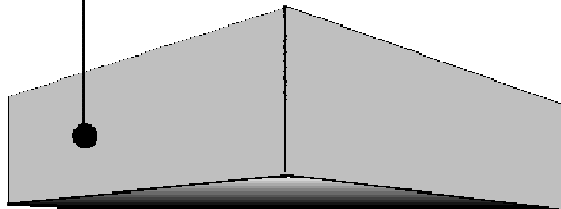
## Product Introduction

### Quash

#### ~ Polyolefin Acoustic Absorber

Quash provides highly effective noise energy reduction through absorption. The product's unique closed cell structure provides natural resistance to moisture, giving effective noise absorption for outdoor applications and indoor areas of high humidity.

Quash Foam: 30 or 60mm



## Product Construction

### Facing • Surface Coverings

Quash's unique method of manufacture provides a natural "skin" on the surface of the product, enabling it to be used without the need for added protection. The foam surface provides excellent mechanical strength and acts as a dust and moisture barrier. The surface is also resistant to vapours and splashes from most common industrial chemicals.

### Acoustic Foam • 30, 60mm

Quash absorbs both direct and reflected noise energy, reducing noise levels through absorption. Quash will not retain or absorb significant amounts of moisture, maintaining acoustical performance in outdoor or high humidity applications, is fibre free and is easily installed and fitted. Manufactured from a polyolefin polymer, a new development in non-cross-linked polymers, Quash foam is 100 percent recyclable.

## Product Installation

Quash has a relatively rigid structure, enabling easy installation in outdoor applications. It can be mechanically fastened or glued with approved contact adhesives, is easily cut or shaped, requiring only a few basic tools to install.

As Quash will not deteriorate or promote corrosion it can also be removed, cleaned and then reused.

## Product Application

Quash has a wide range of applications where effective noise reduction is required in outdoor applications or indoor areas of high humidity. Its natural resistance to moisture ensures it will not significantly retain or absorb moisture, unlike traditional porous or open-cell materials.

Designed for partial enclosure or cover lining in industrial, marine, automotive and commercial applications. Ideal for swimming pools; gymnasiums; exterior machinery, pump, compressor, generator or plant enclosures; general plant rooms and industrial enclosures where reflected noise only is a problem.

LIGON 216 PTY LTD ABN 79 003 799 068 trading as **SOUNDBLOCK SOLUTIONS**

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what do you call the products and what do our codes mean?  
 Product codes are abbreviated so you know what product to order.  
 Quash      30mm Acoustic Foam  
**QBK 30**  
 Black

## Technical Information

Product Code	Acoustic	Fire Test		Temperature
		UL94	MV SS302	
QBK/QWH 30	N.R.C.	UL94	MV SS302	Maximum Operating Temp.
QBK/QWH 30	0.50	HF1	Pass	100_C
QBK/QWH 60	0.60	HF1	Pass	100 C

## Foam Properties

Foam Properties	
Bulk Density	32kg/m <sup>3</sup>
Thermal conductivity (@23°C)	0.094w/mK
Water absorption (24 hours immersion)	<4% (Vol.)
Water pickup by diffusion (after 28 days relative humidity >95%)	<4% (Vol.)

## Sound Absorption

Sound Absorption Table		
Frequency (Hz)	Quash 30mm	Quash 60mm
100	0.06	0.06
125	0.04	0.06
160	0.07	0.07
200	0.09	0.13
250	0.14	0.27
315	0.22	0.48
400	0.35	0.91
500	0.63	0.82
630	0.94	0.54
800	0.84	0.44
1000	0.63	0.58
1250	0.47	0.64
1600	0.51	0.70
2000	0.68	0.72
2500	0.62	0.64
3150	0.58	0.65
4000	0.49	0.52
5000	0.36	0.40
N.R.	0.5	0.6

## Physical Characteristics

Sheet size is 1000mm x 2800mm (+/- 20mm). Total thickness 30mm or 60mm. Quash is manufactured from polyolefin plastic, is 100 percent recyclable and is rigid and self-supporting.

## Specification Guide

*The noise insulation shall be "Quash", made from polyolefin plastic.*  
 (Please specify the thickness of acoustic foam. e.g. "The foam thickness shall be 30mm.")

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