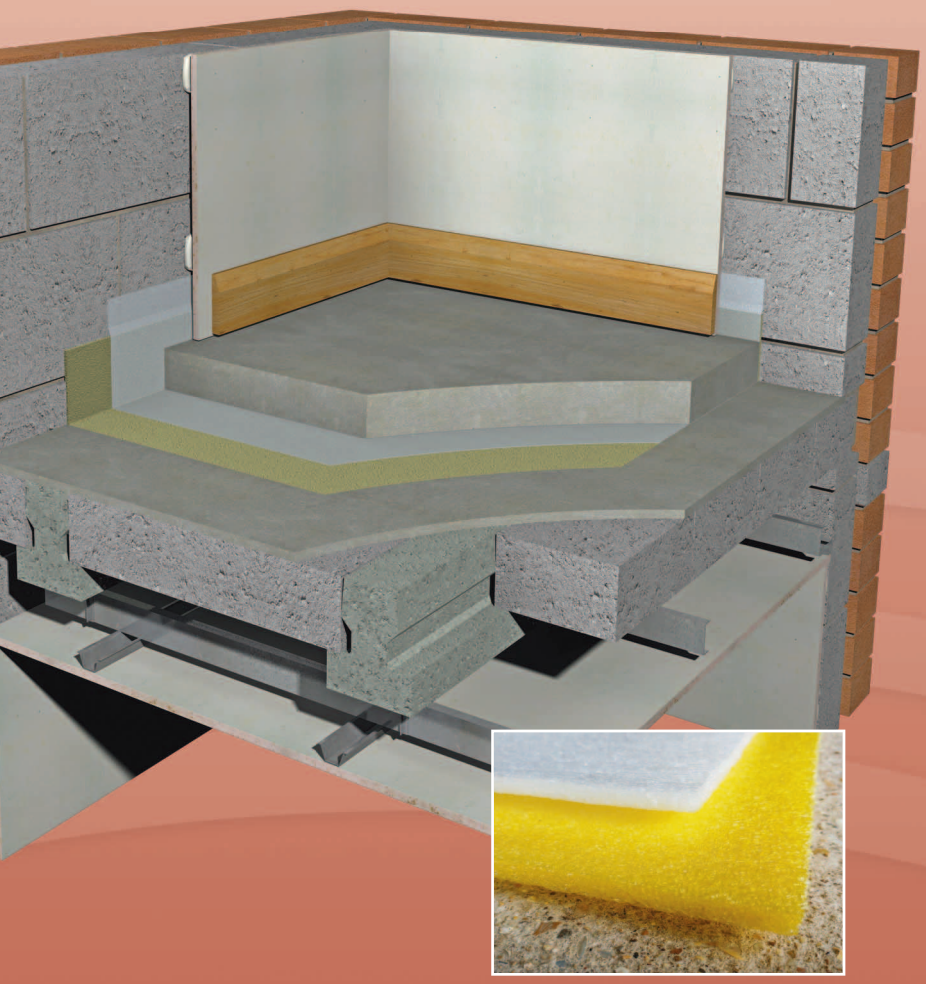
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One of the isomass systems range

isocheck™

Screedcheck XL9 System



IMPACT IMPROVEMENT SYSTEM FOR CONCRETE FLOORS

- New build
- Conversions formed by a material change of use

TESTED BY NHBC ACOUSTIC SERVICES

Institute of Acoustics Sound • Noise • Vibration 1974-2024 Sponsoring Organisation

MADE IN THE UK

QAS International ISO 9001:2015 REGISTERED COMPANY

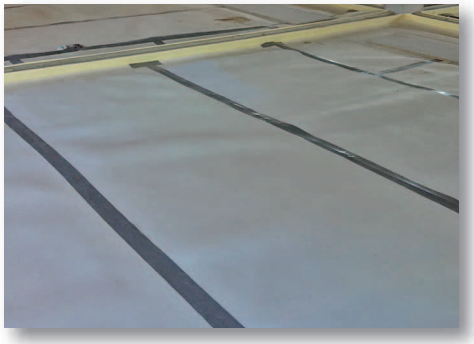
We take the *mystery* out of Acoustics

DESCRIPTION

- Screedcheck XL9 system from Isomass features a 9mm closed cell non cross linked foam layer that has been designed to be placed within a masonry structural floor directly below the screed. This isolates the screed from the structural sub floor, and can provide sufficient impact noise reduction to place it amongst the top performing systems available.
- When installed correctly, the XL9 system will enable compliance with Approved Document E 2003 and subsequent amendments in 2004, 2010, 2013 & 2015.

BENEFITS

- Closed cells prevent water absorption which can impair acoustic performance.
- By ensuring that all the joints are taped, bridging will be eliminated which is the single greatest cause of failure of any system of this type.



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acoustic insulating products

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impact improvement system

Product data

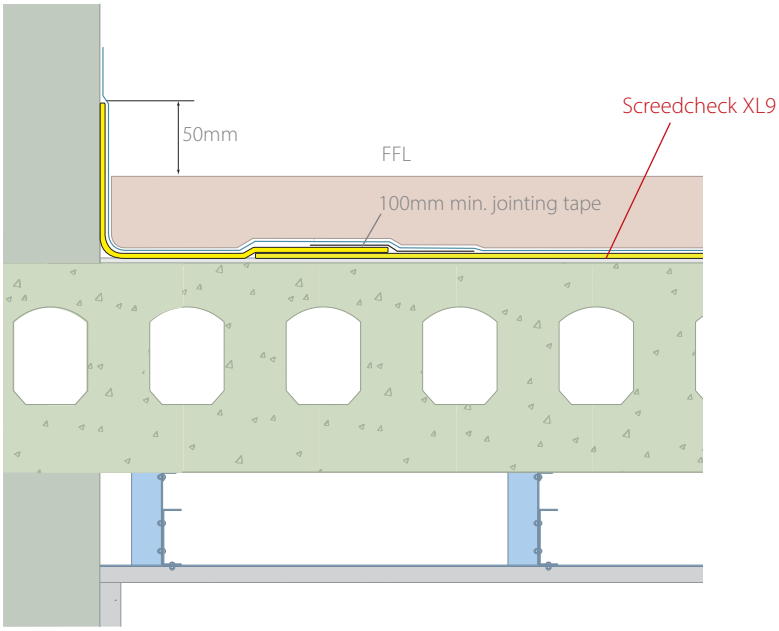
Roll dimensions:	1.20m wide x 50m
Thickness:	9mm
Foam composition:	Closed Cell Non Cross Linked Isopoli
Colour:	Off white or yellow

Typical Performance (on the construction below)

Treated floor with:	$D_{nT,w} + C_{tr}$	$L'_{nT,w}$
Screedcheck XL9	**≥50dB**	**≤50dB**

Thermal Conductivity

ASTM C177	W/mk	0.055



- min 80kg/m² - 65mm sand cement screed or 40mm liquid proprietary screed.
- Optional plastic sheeting - to aid screed pouring and maintain joints in Screedcheck XL9. Joints must be taped.
- Screedcheck XL9 on grouted sub floor with taped joints.
- ≥300kg/m² minimum mass structural concrete floor, eg. hollowcore planks. NB: concrete floor must be located onto blockwork in order to minimise flanking noise transmission.
- 75mm min. void formed by metal frame suspended ceiling system and ≥10kg/m² gypsum board ceiling.

Every effort has been taken in the preparation of this sheet to ensure the accuracy of representations contained herein. Recommendations as to the use of materials, construction details and methods of installation are given in good faith and relate to typical situations. However, every site has different characteristics and reliance should not be placed upon the foregoing recommendations. Advice can be given as to specific applications of the products, upon request to Isomass Ltd.

SPECIFICATION

The acoustic floor shall be:

- Screedcheck XL9, supplied by Isomass Ltd.
  Unit 14 Papworth Business Park, Stirling Way, Papworth Everard, Cambridgeshire CB23 3GY and installed in accordance with manufacturer's instructions / recommendations.

INSTALLATION

- The floor surface should be swept free of any loose debris that may damage or bridge the system.
- Isomass Screedcheck flanking band must be used at all perimeters. This flanking band should be lap-jointed and taped to the Screedcheck XL9 layer using Screedcheck 100mm Jointing Tape. To avoid eventual connection of screed to structural walls, the Screedcheck flanking band should protrude at least 50mm above the intended FFL of the screed.
- Screedcheck XL9 roll edges should be overlapped by at least 100mm and joined with Screedcheck 100mm jointing tape.
- Services that penetrate the screed should be isolated by wrapping with Screedcheck XL9 which again must be taped and protrude at least 50mm above the FFL of the screed..
- When trafficking the floor care must be taken not to damage the XL9 or taped joints.
- Suitable screed may be laid once a 'tanked' effect has been created.

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building acoustics

www.isomass.co.uk

Isomass Limited, Unit 14 Papworth Business Park, Stirling Way, Papworth Everard, Cambridgeshire CB23 3GY
Tel: 0330 175 8228 • Email: info@isomass.co.uk