

H&H



# ECOMAX

*Acoustic Ceilings - H&H Acoustic Construction Division*





# ECOMAX



## Hodgson & Hodgson Group Limited

Hodgson & Hodgson Group has been in existence for well over a century and has made its business out of noise control. The Group operates three complementary Divisions, H&H Acoustic Construction Division, H&H Acoustic Components Division and H&H Acoustic Consultancy Division across eleven UK locations; its objective, to provide a complete portfolio of high quality acoustic products and services, a "one stop shop" for solving the problems caused by unwanted noise.

## The ECOMAX Range

A ceiling with good sound absorption promotes a sense of well-being for the people who live, work or otherwise occupy the premises, making it easier to concentrate, helping to reduce fatigue and enhancing productivity in the workplace. Architectural products must do more than simply function, a ceiling is also an important design element, its colours and lines setting the tone for the entire room's ambience. The **ECOMAX** range of high quality suspended ceiling tiles and absorbers has been developed over many years to meet the demands of clients, end users and specifiers for a combination of aesthetics and excellent acoustic performance. The range is ideal for use in a variety of commercial, industrial and educational applications and includes impact resistant panels for use in sports halls, washable panels ideal for use in clean room environments and panels designed specifically for low frequency sound absorption.




## Supporting Services

For major projects H&H Acoustic Construction Division can arrange a full installation service.

H&H Acoustic Consultancy Division is able to conduct noise surveys and calculate reverberation times pre and post installation. Telephone: 01473 824452. Highly qualified engineers are available for site visits and to offer advice and assistance to clients, architects and contractors on all aspects of noise control and current legislation to ensure specifications and acoustic performance requirements are achieved.

## Don't Forget

H&H Acoustic Construction Division markets the full range of branded architectural noise control products.

-  **SALEX** for walls
-  **REDUC** for floors
-  **THERMOS** for building services

Consult Individual product summary brochures for further information.

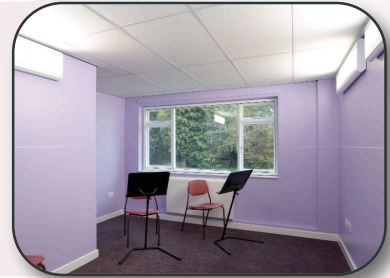
# The Products

This brochure is provided by way of an introduction to **ECOMAX**. For detailed technical information consult our website [www.acoustic.co.uk](http://www.acoustic.co.uk) where individual data sheets and installation guidelines are available for download, together with project case studies and NBS clause details. Alternatively, telephone 01664 821810.

## ECOMAX CleanSound

Decorative acoustic ceiling tiles.

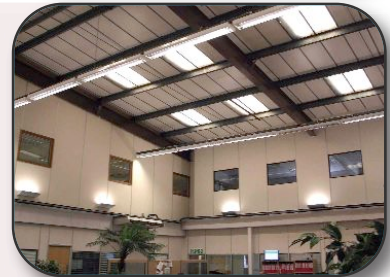
*Ideal for use in offices, foyers, reception areas, libraries, court rooms, cinemas, theatres, schools and medical facilities.*



## ECOMAX DecoSound

Functional acoustic ceiling tiles.

*Ideal for use in industrial buildings, workshops, machine halls, test laboratories, village halls, schools, cinemas, theatres and changing rooms.*



## ECOMAX Hi-Clinic

Washable acoustic ceiling tiles for use where hygiene is important.

*Ideal for use in food and catering establishments, hospitals, research facilities, educational buildings, changing rooms, swimming pools.*



## ECOMAX ReFlex

Low frequency sound absorbing ceiling tiles.

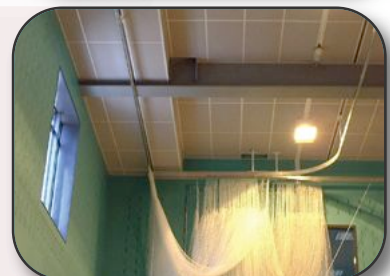
*Ideal for use in classrooms, conference rooms, theatres, cinemas, music rooms, offices, foyers, reception areas, libraries and court rooms.*



## ECOMAX SportsPanel

Impact resistant sound absorbing ceiling tiles.

*Ideal for use in sports halls, gyms, leisure facilities, changing rooms, educational buildings village halls, youth clubs and playrooms.*



## ECOMAX Absorbers

Range of flat panel, suspended and bespoke acoustic absorbers.

*Ideal for use in schools, gyms, leisure centres, recording studios, music rooms, call centres, open plan offices, multi-purpose halls and industrial buildings.*





## Dimensions and Weight

ECOMAX Product	Thickness mm	Length mm	Width mm	Weight kg/m <sup>2</sup>
ECOMAX CleanSound	25	600 and 1200	600 and 1200	1.75
	40	600 and 1200	600 and 1200	2.80
ECOMAX DecoSound	50	1200	600 and 1200	2.50
	100	1200	600 and 1200	5.00
ECOMAX Hi-Clinic	18	600 and 1200	600	1.40
	40	600 and 1200	600	2.80
ECOMAX ReFlex	18	600 and 1200	600	2.50
ECOMAX SportsPanel	25	600 and 1200	600 and 1220	2.50
	40	600 and 1200	600 and 1220	3.20
ECOMAX Absorbers (Type dB)	25	1250	1250	0.54
	50	1250	1250	0.78
	75	1250	1250	1.01
	100	1250	1250	1.25
ECOMAX Absorbers (Type HR)	25	2500	1250	3.68 (inc frame)
	50	2500	1250	3.84 (inc frame)
	75	2500	1250	4.16 (inc frame)
	100	2500	1250	4.32 (inc frame)
ECOMAX Absorbers (Type MelaTile)	50	600	600	0.48
ECOMAX Absorbers (Type Suspended - MelaTech Foam)	75	1200	600	0.65
ECOMAX Absorbers (Type Suspended - Glass Fibre)	75	1200	600	1.85

Other sizes and thicknesses of **ECOMAX Absorbers** are available subject to minimum order quantities. Contact us for further information.

**ECOMAX Absorbers (Type Sail)** are generally made to order and are available in bespoke sizes, contact us for further information 01664 821810

## Acoustic Performance

ECOMAX Product	Thickness mm	Sound Absorption Coefficient					
		125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz
ECOMAX CleanSound (fixed directly to substrate)	25	0.05	0.30	0.85	1.00	1.00	1.00
	40	0.15	0.60	1.00	1.00	1.00	1.00
ECOMAX CleanSound (with 200mm void behind)	25	0.30	0.75	1.00	0.85	0.95	1.00
	40	0.30	0.90	1.00	1.00	1.00	1.00
ECOMAX DecoSound (fixed directly to substrate)	50	0.20	0.65	1.00	1.00	1.00	1.00
	100	0.50	1.00	1.00	1.00	1.00	1.00
ECOMAX DecoSound (with 200mm void behind)	50	0.50	0.85	1.00	1.00	1.00	1.00
	100	0.50	0.85	1.00	1.00	1.00	1.00
ECOMAX Hi-Clinic (fixed directly to substrate)	18	0.10	0.45	1.00	1.00	0.95	0.85
	40	0.20	0.70	1.00	1.00	0.95	0.85
ECOMAX Hi-Clinic (with 200mm void behind)	18	0.30	0.75	1.00	0.85	0.95	0.90
	40	0.35	0.80	0.95	1.00	0.95	0.80
ECOMAX ReFlex (with 200mm void behind)	18	0.40	0.40	0.25	0.25	0.40	0.30
ECOMAX SportsPanel (fixed directly to substrate)	25	0.20	0.80	1.00	0.90	0.90	0.85
	40	0.20	0.80	1.00	0.90	0.90	0.85
ECOMAX SportsPanel (with 200mm void behind)	25	0.35	0.75	0.90	0.85	0.90	0.85
	40	0.35	0.75	0.90	0.85	0.90	0.85
ECOMAX Absorbers (Type dB and HR)	25	0.05	0.27	0.68	0.89	1.00	0.94
	50	0.23	0.50	1.00	1.00	1.00	1.00
ECOMAX Absorbers (Type MelaTile)	50	0.22	0.46	0.95	1.00	1.00	1.00
ECOMAX Absorbers (Type Suspended - MelaTech Foam)	75	0.15	0.45	0.80	0.85	0.81	0.67
ECOMAX Absorbers (Type Suspended - Glass Fibre in Glass Cloth)	75	0.20	0.55	0.90	0.95	0.95	0.95

For acoustic performance of **ECOMAX Absorbers (Type Sail)** please contact us on 01664 821810

### For Further Information on ECOMAX Contact: Hodgson & Hodgson Acoustic Construction Division

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