

Summer 2012

Tŷ-Mawr

www.lime.org.uk

traditional & ecological building materials - caring for the future, respecting the past
deunyddiau adeiladu traddodiadol ac ecolegol - gofalu am y dyfodol, gan barchu'r gorffennol

Products

Manufacturers & suppliers of:

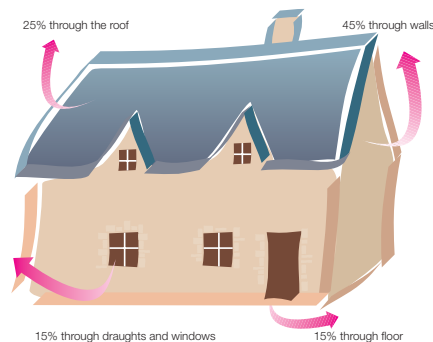
- Traditional Fat Lime Mortars and Plasters.
- Limewashes and Pigments.
- **glaster**® - Plasters and Mortars.
- Lime Hemp Plasters.
- Limecrete (concrete alternative) floors.
- Natural Insulation including Tŷ-Mawr Thermafleece® sheep's wool insulation, Thermafleece hemp insulation, FlexCL recycled newspaper batts and Supaloft Green.
- Singleton Birch Hydraulic Lime NHL2 (British) NHL3.5, NHL5 (Portuguese) and Hanson/Castle NHL2, NHL3.5, NHL5 (French).
- Aglaia Plant-based Paints - including:
 - Natural emulsions (internal wall paints).
 - Paints, glazes, oils and waxes for wood.
 - Paints for metalwork and radiators.
- Earthborn Clay Paint
- Beeck's and Earthborn Mineral Paints
- Building boards/plaster carriers including Reed Mats, Reed Boards, Wood Wool Boards and Woodfibre Boards.
- Laths, Wattle and Battens.
- Tools and Books.

Services

- Site Visits or meetings with one of our Building Consultants.
 - Product Support (including NBS clauses).
 - Established Courses (see back page for dates and for details of a 10% product discount for lime course delegates in 2012!)
 - Product Information Days and RIBA accredited CPD seminars.
 - Historic Research and Heritage Asset Advice
 - Site Supervision and Bespoke Training
 - Visits to Tŷ-Mawr for interested groups (by prior arrangement).
 - Hire of the Grade II* listed Training Centre.
- Email info@lime.org.uk for more information.

LABC Registration for Wall, Floor and Roof Build-ups

Energy efficiency is the phrase on everyone's lips this year as we all try to reduce the impact of buildings on the environment as well as to reduce our fuel bills. Organisations such as the Energy Saving Trust suggest that an average sized property installed with 270mm of loft insulation can expect savings on heating bills of up to £180 to £220 every year whilst reducing Carbon Dioxide emissions by up to 400kg. It is not just lofts that we can improve the efficiency of, we can also consider thermally upgrading walls and floors.



Heat loss in old buildings is significant through all main structural elements but insulating them is not always straightforward. It is important to assess the needs of each building individually - assessing the likely impact of moisture as well as temperature on and in the structure of the chosen insulation/solution.

Grants have encouraged a flood of solutions onto the market - some suitable but most unsuitable for old buildings. Tŷ-Mawr however has tried to forge a way over the last decade or so developing and sourcing a range of natural insulation materials

and possible solutions to assist those carefully and thoughtfully caring for old buildings to keep their structures 'breathing' using materials with the least impact on the environment.

Following the success of registering our insulated limecrete floor in 2009 with LABC (Local Authority Building Control), and to assist our clients with their energy efficiency solutions, we are pleased to be able to announce the registration of our:

- warm roof systems
- solid wall systems
- timber-frame systems
- slabless as well as updated insulated limecrete flooring system

The registration of these systems means that it is now possible to take one of our solutions, designed and assessed by us for your building to any individual Local Authority Building control team in England and Wales who will accept it. It is an assurance that our solutions have been rigorously checked and independently peer reviewed by LABC members. For further information, please contact our technical advisers on technical@lime.org.uk and we will be delighted to share these solutions with you.



See us in 2012 at...

Royal Welsh Agricultural Show in Builth Wells
23rd-26th July

Green Man Festival in Crickhowell
17th-18th August

Monmouthshire Show, 30th August

Usk Show, 8th September

Building Limes Forum AGM and Conference, 21st-23rd September



Also in this copy:

New Product Launch - Supaloft Green... see full article on page 2.

Special Offer on our EcoRoll Wool Insulation this autumn!...see full article on page 3.

glaster® nominated for World Architecture News Award...see full article on page 4.

Tŷ-Mawr shortlisted for 2 Powys Business Awards...see full article on page 4.

1/3rd OFF
EcoRoll
insulation



...breathing life into buildings...

Distribution warehouse: Unit 12, Brecon Enterprise Park, Brecon, Powys LD3 8BT Tel: 01874 611350 Fax: 01874 658502

Training: Tŷ-Mawr, Llangasty, Brecon, Powys LD3 7PJ Tel: 01874 658000 Fax: 01874 658502 www.lime.org.uk



Nigel Gervis, Technical Director

CPD Lectures

“Your passion for the subject really shone through in your presentation, most enjoyable!” CPD, Canterbury Cathedral.

Our RIBA (Royal Institute of British Architects)-accredited CPDs, delivered by Technical Director - Nigel Gervis, continue to attract top architects, local authorities and other interested parties all over the UK. Highlights this year have included major CPD events for specialist consulting civil and structural engineers Sinclair Johnston, the Association of Building Engineers and Canterbury Cathedral. To enquire about bookings, please email sam.hale@lime.org.uk

CASE STUDIES



Browns Hotel, Laugharne

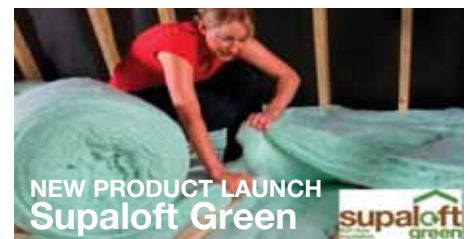
The wide range of vapour permeable paints we supply from our own limewashes to silicate mineral paints, plant-based emulsions and clay paints continue to attract attention. Recent projects include the specification and supply of silicate paints for St Woolos Cathedral and the Church of St John the Baptist, Newport, and both silicate and clay paints for the famous Brown's Hotel, Laugharne, Dylan Thomas' regular watering hole in Carmarthenshire!



Astley Castle, Warwickshire

This ancient moated site first came to the attention of the Landmark Trust in the 1990s. It was already too late to do more than consolidate the ruins that were left after a disastrous fire in 1978. The Trust held an architectural competition, to design a 'Landmark for the 21st century': unequivocally modern living accommodation clasped within the shell of the ancient Castle. They aimed for the best modern architecture, unashamedly but sympathetically stitched into ancient fabric, today's craftsmen and women linking hands with their predecessors.

Astley Castle welcomes its first guests from Monday 2 July 2012. www.landmarktrust.org.uk



NEW PRODUCT LAUNCH Supaloft Green

We are pleased to add a new, economic thermal insulation product to our range manufactured from 90% recycled PET (container plastic). It is supplied in rolls that fit securely between rafters, joists and studs. Supaloft Green is long-lasting, safe to handle and can be easily recycled at the end of its life.

- Sustainable
- Made in the UK
- BBA-approved
- Width (mm): 375, 575
- Thickness (mm): 100, 150
- Thermal conductivity: 0.040 W/mK

For samples, further information and prices or see www.lime.org.uk



Inspecting the Recycled Foamed Glass product on the Limecrete Day.

Commitment to Training

Our training centre continues to provide a wide range of excellent, informative and practical courses. As well as our ever popular lime courses, we have welcomed a wide range of architects, conservation officers, planners, contractors and homeowners on our limecrete and energy efficiency courses. Maintaining our commitment to training our future craftsmen and women, those directly involved in conserving our built heritage and those developing new sustainable buildings, we have been delighted to welcome the Masters students at the University of Bath, National Trust and this years S.P.A.B Fellows.

Testimonials from this years courses

‘Just wanted to thank you, and your excellent team for a really well planned course, you have obviously perfected every part of the day over time, and it shows’ SB

‘Absolutely brilliant! Friendly tutors – so informative while great fun’ JL

‘Excellent course – the practical element was really useful and the chance to discuss our own projects and hear about other peoples. You have a great set-up, well-organised yet relaxed! Thank you very much!’ LM

‘Best Course Ever!’

‘Great course all round – beautiful location and knowledgeable and friendly staff – I will recommend to others’ OH

‘Fantastic day, thanks – great to have mix of talk / practical / hands-on and lots of useful info to take away’ RB

‘Really useful and informative day, an excellent introduction to the use of lime, thanks! Very well pitched at the variety of attendees’ MS



Wendy Matthews, Receptionist and Sales Assistant (and latest family member to join Tŷ-Mawr!) - attending a practical lime plastering course (as all staff do regardless of position) to help to maintain our quality of service throughout the business. Here, ‘floating the top coat’ under the watchful eye of tutor – Julie Haddow.



Insulate your home for a 1/3rd less this autumn...



For three months (September–November), Tŷ-Mawr is pleased to offer an amazing 1/3rd off the THERMAFLEECE® EcoRoll product on full packs only. This is a low density wool based insulation roll that is quick and easy to install. It contains 75% Sheep's wool, 15% recycled polyester and 10% polyester binder with a high recycled content. It has never been more affordable to insulate naturally! Please call our sales team on 01874 611350 to reserve your order. Please use the promotional code RWSP1213.

We are pleased to be main distributors of...

- **Singleton Birch and Secil Hydraulic Limes** – our best value hydraulic products yet from just £6.93/bag (full pallet price).
- **Homatherm Woodfibre Boards** – a broad range of well designed, yet economic boards for all sorts of insulation applications.
- **Celenit Wood Wool Boards** – excellent quality boards for plastering and rendering, now available in 1.2m as well as 2.4m lengths!



Tŷ-MAWR
BOOK OF COLOUR

Our concern for the built environment, sustainability and ecological building materials extends to the visual impact of buildings on the landscape and the consideration of colour in the natural environment. Tŷ-Mawr's commitment to thoughtful design and our holistic approach to environmental conservation has led us to create a new and innovative colour range based on the Welsh landscape.

FAQs on Thermafleece® Wool Insulation

Are all wool insulation products the same? No, you should be aware that the quality and variety of wool insulation on the market varies hugely so don't assume that the claims of one brand apply to the rest. The answers below relate specifically to the Thermafleece® brand.

Is your wool insulation made just from wool? No, it is blended with a binder – Tŷ-Mawr Thermafleece® Original contains 85% wool blended with 15% recycled polyester binder. The binder content is extremely important because the binder holds the insulation together and ensures it maintains its loft for the life of the insulation. If the binder content is too low, the insulation is less likely to maintain its desired thickness and is prone to slumping once installed.

Where is your wool sourced? – Our wool is 100% British purchased through the British Wool Marketing Board. At least 75% of our wool originates from the Welsh collection stations in Brecon, Porthmadog and Newtown. By taking the time to carefully source our wool, we can be sure we are helping to generate a market specifically for a local product. Sourcing wool locally minimises road miles too, creating a lower carbon footprint than some of the 'cheaper' sheep's wool products that use wools from as far afield as New Zealand.

Why is wool insulation so much more than the price the farmer gets? Raw wool is only a small part of the cost of the insulation - wool collection, processing, treatment, manufacture and transport all add to the cost.

Can I just use the wool from my farm as insulation? No, raw wool is considered an animal waste and must be cleaned by an approved scouring company to remove grease and treated to provide protection against insect attack and fire resistance before it can be used for insulation. It is also important to form the wool into a uniform matrix to ensure there are no air gaps to allow heat to pass through.

How does Thermafleece® react to fire? – Wool is naturally resistant to fire and it is treated with a borate fire retardant and complies with BS5803-4 for spread of flame and resistance to smouldering.

Is it moth-proof? – Yes, wool containing borax is resistant to moth attack for the life of the insulation. Unlike organic insecticides, borax does not degrade or evaporate when exposed to elevated temperatures. Borax treated wool is safe for birds, bats and bees as well as us humans. Other wool insulation contains organic insecticides such as permethrin or chlorofenapyr that can be extremely harmful to wildlife and the environment.

Does Thermafleece® meet Building Regulations? – Yes, Thermafleece® has British Board of Agrément (BBA) approval for lofts, timber frame walls and pitched roofs meaning that it totally complies with Building Regulations and is NHBC approved for these applications.

For full technical information and more FAQ's - see our website www.lime.org.uk

“The Sun” shines on wool!



Sarah Beeny highlighted the importance of insulating your home in the Sun newspaper last month. She wrote “People seem to think any old insulation is OK, but it's not. Do your research, get the right information and fit it in the correct way – or it is pretty pointless. Done correctly insulation can save you hundreds of pounds a year. My favourite is Thermafleece® which uses natural fibres from sheepswool. If it keeps sheep warm, its good enough for us. It costs a bit more but it works better and lasts a lifetime!”.

The study, carried out by specialist colour consultant Jem Waygood, identifies a range of colours for use on the exterior and interior of buildings, based upon site research into the indigenous colours of Wales. Three categories of colour were studied: mountain colours, valley colours and coast colours. It is fitting that paints, which work with the environment, allowing buildings to “breathe”, should find their provenance in bedrock, vegetation, earth and sea. Selecting colours and designing palettes based upon the colours found in the natural world helps to reinforce a sense of local identity.

This study uses the Natural Colour System (NCS), a very accurate classification for the identification of perceived colour, as a theoretical model to categorise indigenous colours and as a tool for the design of new palettes.

Tŷ-Mawr are developing this concept to provide a new colour range of technically excellent silicate mineral paints and plant-based emulsions as well as Limewashes.

This colour range helps to integrate buildings into their landscape setting, and draws natural colours to the interiors of homes creating strong associations with the land upon which they sit.

We hope these new colour palettes will be an invaluable resource to architects, interior designers, and planners providing an essential guide for new developments, conservation areas and townscape heritage initiatives.

To find out more about NCS, see details of our colour day on page 4.

The colour range is being previewed at the Royal Welsh Show - please join us!

courses

at Tŷ-Mawr

Tŷ-Mawr has been running specialist courses in traditional and ecological building since 1996 on the site of their head office, formerly a working farm and still the home of the founders of Tŷ-Mawr Lime in the heart of the Brecon Beacons National Park. The restored grade 2* listed training centre was officially re-opened by Their Royal Highnesses, The Prince of Wales and Duchess of Cornwall in June 2009. Delegates attend from all over the world not only attracted by the quality of teaching but also the 'backdrop' – the on-going restoration of the whole farm complex provides an exemplar for what can be done using traditional and ecological materials and technologies.

Introduction to Lime - 13th September, 4th October, 1st November

Lime Plastering - 14th September, 5th October, 2nd November

Introduction to Lime and Lime Plastering (2 day course) 9th-10th August

Drystone Walling - tbc

Decorative Plasterwork - 19th October

Pargetting - 18th October

Colour Day - 19th September

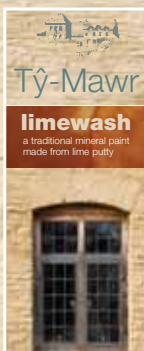
Lime specification - tbc

All delegates attending lime courses at Tŷ-Mawr will get a free copy of "The Lime Handbook" (rrp £20.00).

Course Offer! We are offering everyone who attends our lime courses at Tŷ-Mawr in 2012, a 10% discount off the rrp of our fat lime plasters and mortars, hydraulic limes and wood wool boards for up to 12 months after attending the course. Please see website for full terms.

Limewash Colour Chart now available!

Our chip mount colour chart is now available, its accuracy makes it even easier to choose your colours from our limewash range. Limewash is a beautiful and economic paint that applied correctly to an appropriate surface will ensure that you continue to care properly for your old building – allowing it to 'breathe' and flex. Limewash is suitable to apply over stone, brickwork, lime plaster, lime renders and old limewashes. It is possible to use it over other surfaces, please talk to our technical sales team who will be able to advise on additives that will help to adhere without compromising the breathability of the product.



World Architecture News Award "Product of the Year"

We are delighted that glaster® has been nominated for the "Product of the Year" in the World Architecture News Award. The nomination follows another year of successful projects including Clifton Place, Newport, glaster® was spray applied on to this grand Georgian-style terrace to great effect, using a 21st century material to provide a high quality, high performance render to a 19th century building! At Upton Castle, Pembrokeshire our orange pigmented glaster® render was used on a lodge in the Castle grounds providing the focus to a forest glade.



glaster®

For more information and to see progress visit our blog www.lime.org.uk/blog_2012

Following with little green footsteps...



The three Tŷ-Mawr boys grow and seem to thrive in amongst all that happens at and in Tŷ-Mawr, it is their world. They all, so far, seem to share our passion for buildings, the environment and Tŷ-Mawr, and enjoy the company of staff, course delegates, tutors, drivers, campers and of course our many clients who come through each year. Their environment seems to be rewarding them and at prize giving this year, Harv (8), following in Henry's (now 12) footsteps, received a certificate for his work on the school Eco-committee and Cai (5) a special certificate, never given before in reception class, from his head-mistress who said "one little boy is very, very knowledgeable and interested and always has lovely things to tell me about what he does at home what he's seen" and presented him with a certificate for "knowledge and understanding of the world which encompasses history, geography and the environment"!

NEW STOCKIST!

We are pleased to announce that Hale & Co (Drybrook) Ltd. Timber and Builders Merchants are now stocking our products in Gloucestershire. This family-owned merchants, based in the Forest of Dean, serves Gloucestershire, South Herefordshire, Chepstow and Monmouth.

Coming in Autumn 2012 at Hales – a dedicated Tŷ-Mawr display area of building and insulation products.



HALE & CO. (Drybrook) Ltd.
Timber & Builders Merchants
01594 545 300
enquiries@haleco.co.uk
www.haleco.co.uk

Powys Business Awards 2012

Tŷ-Mawr Lime Ltd has been named as a finalist in the People Development Category and the Manufacturing Category amongst the 'highest standard' of competition. The People Development award is sponsored by Leadership and Management Wales, and the Manufacturing Award sponsored by the Mid Wales Manufacturing Group. The Judging Panel will visit Tŷ-Mawr later in the summer and then awards will be announced at the Powys Business Award Dinner on Friday 28th September at Theatr Hafren in Newtown. We will keep you informed of the outcome!



Achieving standards, making a difference!

Having been re-accredited for our Ethical and Quality Management System awards earlier in the year, we followed in May with the re-certification of our BS8555 Environmental Management System demonstrating our continued commitment to ensuring that the whole business continues to operate not only within our quality system standards but in an ethical and environmentally responsible way from the paper we buy, to the coffee we drink, to the energy we use, to what we do with our waste, to how we manage the land around us and how we make improvements to our premises, from where we source our products to what happens to them at the end of their useful lives – it all matters and as a company we ensure we do all we can to make a difference!

...breathing life into buildings... www.lime.org.uk



Find us on Facebook, LinkedIn or visit our ebay shop.