



AUTUMN
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TEGULA- A NEW BREED OF ENVIRONMENTAL PAVING

In some ways Tegula is reminiscent of the large plan sandstone and granite setts which are still found in many parts of Britain. The main difference is that Tegula is concrete block paving, with all the laying and performance advantages that brings.

It also has chamferless edges so it is trip-free and smooth-running, even for small wheels. But the main attractions of Tegula are the warm colouring – mixed shades of Brown – and the very authentic appearance. Tegula has the visual appeal to look equally in character in conservation areas or on modern landscaping schemes.

The 80mm thick Tegula is in three sizes – 240 x 160, 120 x 160 and 160 x 160mm which give the choice of uniform or random jointing. For best mixed colouring effect Tegula is drawn from a number of packs during laying. There is also a matching small element kerb unit.

NEW PRODUCT



IT'S ALL ABOUT MORE CHOICE

With only black to worry about, Henry Ford had it easy as far as choice was concerned. But today's consumers want *real* choice – and for specifiers that means choice of systems, colours, textures and sizes in building materials.

That's why Marshalls has an on-going new product development programme (over sixty new products in the last five years!)

In this issue of Marshalls News there are details of more new product groups,

ranging from clay pavers to flooring systems, concrete block paving to outdoor furniture.

All the more reason for checking that your Marshalls literature file is up-to-date. Old leaflets could be restricting your choices!



TRAFALGAR SQUARE RE-PAVED IN MARSHALLS STONE

The screens have come down on Tarmac Construction's £1.85 million refurbishment of Trafalgar Square, revealing again the classical proportions of one of London's grandest sights.

Hard to believe that only eighteen months ago the new paving element of the refurbishment was a phalanx of rough stone blocks in Marshalls' Scoutmoor Quarry, high above Ramsbottom. In the intervening period selected blocks of the blue-tinged stone – from eight to twenty tons each – have been trucked to Halifax for fine sawing into four inch thick pavings for the prestigious scheme. Marshalls supplied a to-

tal of 2,200 square yards of natural stone for the repaving of Trafalgar Square. Most were to a six foot square size but there were also radius pavings around the fountains. To ensure absolute accuracy of the angles for these, the company's craftsmen prepared templates on site.

The new pavings, along with a number that were salvaged from the site (dating back to a previous refurbishment in the 1920's) have been laid to a new and more attractive pattern than before. The design was devised by consultants, Donald Insall and Partners, for the Special Services Group of the Property Services Agency,

London Region.

Where natural stone paving is concerned, it is never "just another job." Supplying the paving for Trafalgar Square is a once in a lifetime job and it is a labour of love. Trafalgar Square joins an impressive collection of prestige sites supplied by Marshalls. Within the last five years alone, the company's York stone and Scoutmoor stone have also been used to re-pave Tower Hill, Parliament Square, St. Paul's Churchyard, parts of Piccadilly Circus and the Victoria & Albert Garden. Repeat business is not expected for at least a generation or so.

MARSHALLS NORI CLAY PAVERS ADDED TO RANGE

Marshalls, the market leader in concrete block paving, aims to considerably widen the choices available with the introduction of clay pavers in a "Marshalls Nori" range – along with a wide choice of accessories, to cope with even the most intricate of detailing work. The pavers divide into two basic types – those for flexible pavement constructions and pavers for use in rigid constructions.

Nori has long been synonymous with all that is best in clay brick and Mar-

shalls, with its extensive block paving sales network, is ideally placed to market the new range.

The addition of clay pavers to the existing concrete block paving range puts Marshalls in a unique position in the market place. The company takes the view that it now has two kinds of best – and unrivalled choice for specifiers.

With the completion of a new clay paver plant in early 1990, Marshalls will be adding considerably to the existing range.

Cobbles, above right, come in three colours.

Rectangular pavers for flexible construction, right, are in Red, Brown, Cream and Red Multi colours. Below, a rigid clay paver construction.



CLAY PAVERS FOR FLEXIBLE PAVEMENT CONSTRUCTION

There are two basic paver types for use in flexible (friction interlocked) pavement construction – namely rectangular pavers and square cobbles.

Rectangular pavers (Two thicknesses, four colours) These have a work size of 200 x 100mm (ie the dimensions include joints, so 50 pavers are required per square metre).

They all have a dragwire surface finish and chamfered edges. There are two thicknesses – 53 and 65mm, each in three colours (Red, Brown and Cream). The 65mm thickness is also available in Red Multi colour.

The 53mm thickness is intended for use in pedestrian and lightly trafficked areas, while the 65mm thickness can be used for heavier duty applications.

Cobbles (One thickness, three colours)

These 60 x 60mm cobbles are supplied in panels of eight (a sharp hammer blow is required to separate them). The thickness is 65mm and the colours are Red, Brown and Cream. The surface finish is dragwire, and the edges are square.

CLAY PAVERS FOR RIGID PAVEMENT CONSTRUCTION

For rigid pavement construction (laid on mortar and pointed) there are two rectangular paver sizes available, both with square edges.

200 x 100mm (210 x 110mm Work Size, One thickness, three colours) These pavers are 53mm thick, have a dragwire finish and come in Red, Brown and Cream. With 10mm jointing, 44 pavers are required per square metre.

220 x 105mm (230 x 115mm Work Size) These 50mm thick pavers are available with a smooth surface finish. The colour is Red.

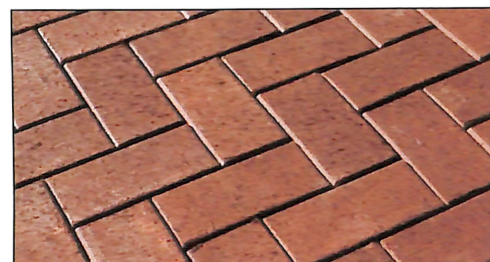
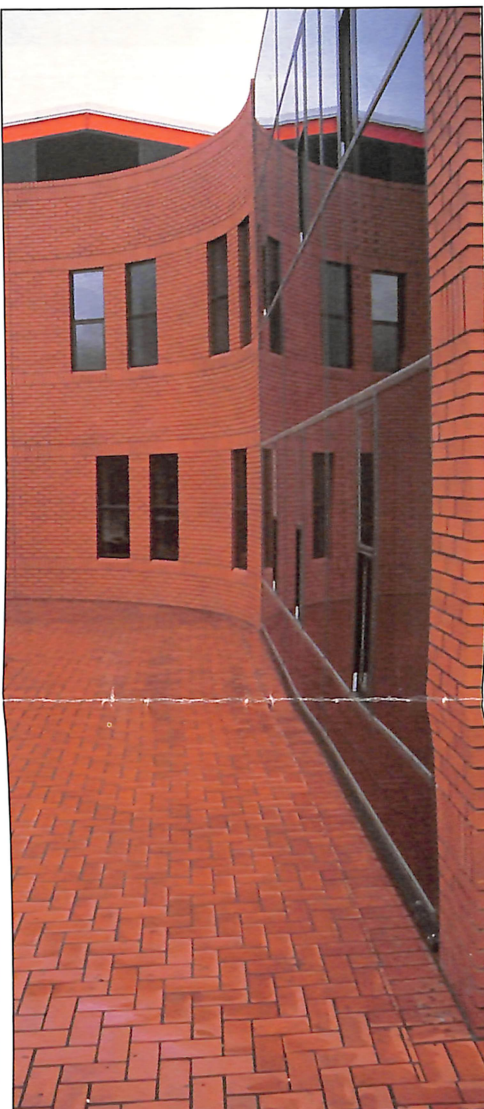
NEW FLUTED EDGING

NEW PRODUCT



Marshalls has introduced a new fluted edging that will be equally at home in landscaping and domestic situations. The 600 x 150mm edging has male

and female ends which effectively disguise the joint between one edging and the next – even when they are jointed at an angle.



SPEEDING THE FLOW PREVENTING EROSION...

The idea of lining watercourses to prevent erosion or to speed the flow of water, is centuries old but most of the traditional methods are very major undertakings compared with the ease of installation of the lightweight glass

reinforced cement (grc) Ditchliners made by Marshalls.

These take the form of either one-piece 'U' shaped sections (forming both banks and bed) or separate 'L' sections to protect each bank and with grc panels or

other materials forming the bed between them. With both types there are ranges of standard sizes available but there is also the facility to easily produce tailor-made types.

Ditchliners are generally laid on a 100mm bed of granular material, with a stiff concrete mix packed behind the side walls and with the lap joints between units treated with a sealant. Radius units are used to follow the natural curves of watercourses.

The lightweight units can be carried and positioned without difficulty by two men which makes Ditchliners particularly useful in areas which are difficult for mechanical plant. The main advantages are improved flow, because of the low friction of the units, and protection against erosion. The regular shape and smooth surface also simplifies cleaning operations and removal of accumulated silt.



Jetslab is a new hollow-cored flooring system from Trent Jetfloor that combines speed of installation with a number of structural advantages. The pre-stressed 1.2 metre wide Jetslab units are designed for commercial, industrial or domestic buildings and are for use at any floor level.

Jetslab is produced in two panel thicknesses; 200mm, which is for spans of up to 10 metres; and 150mm, for spans up to 7.5 metres. Both types are pre-cast and pre-stressed under ideal factory conditions, with rigorously enforced quality control systems.

Other than the obvious advantages of ease and speed of installation and the provision of an immediate working platform, Jetslab has other important advantages. The slabs are designed to bear on brick, block, steel and other supports and will give a full diaphragm action, if required.

Adverse weather cannot damage the slabs and rarely will it halt the actual installation work. The only involvement of wet trades is in grouting the joints between slabs.

Most floor finishes can be applied to Jetslab, including structural screed finishes. In this case propping or shuttering are not required and the composite action of the slabs and the reinforced screed means that even longer spans than 10 metres can be achieved.

The slabs are "fair-faced" on both sides so ceiling finishes can be applied directly to the soffit.



NEW PRODUCT

Where suspended ceilings are required, batten clips or tab hangers can be provided at panel joints.

Services are easily catered for, either by pre-forming major holes during manufacture or by drilling smaller holes (through the cores—not the reinforcement) on site. There is considerable design flexibility to incorporate notches and slots—or produce reduced width units—at the production stage.

Completed Jetslab installations meet the Building Regulations sound insulation requirements and have fire resistance of 1.5 and 2 hours respectively for the 150mm and 200mm deep units.

Jetslab can be supplied only or supply and fix but in either case actual site installation is backed up by a very comprehensive computer design service. All relevant floor calculations, design concepts and working drawings are handled by Trent Jetfloor's very experienced design team.

PERFECTA FIT FOR A SHOE

Setting a horse-shoe into a 100mm thick Perfecta paving slab isn't an everyday event—in fact Marshalls last did it in 1974 as a feature of a paving scheme in the centre of Lancaster. The latest version, pictured here, is to replace the original slab which was damaged during repairs to underground services.

And why set a horse-shoe into a? Well, legend has it that John O' Gaunt, the founder of the House of Lancaster, was riding through Lancaster when his horse cast a shoe at a place thereafter named Horse-Shoe Corner. A horse-shoe has been set into various pavement surfaces there ever since and Marshalls was again happy to carry on the tradition.



SYSTEMS THAT STAND UP TO CLOSE INSPECTION

One inspection chamber is pretty much the same as another or is it? Seductive price lists often hide the true costs.

But at Marshalls, prices include delivery to site or merchant, free pallets—and there is crane off-load when required. The choice of inspection chambers is also geared to the needs of the user, with four types available to cover most drainage configurations. They range from the A type to the D-section (which is the most cost effective on the market for depths below 1.7 metres).



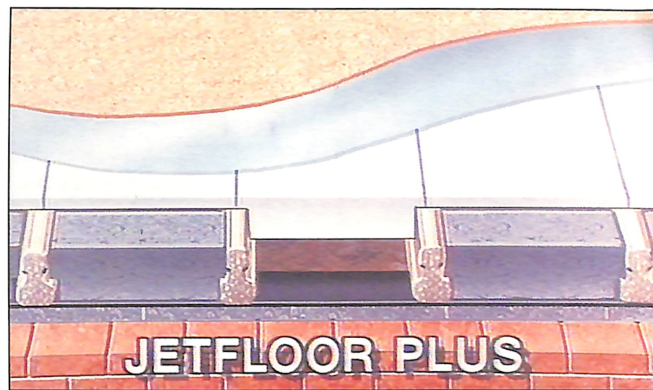
TRENT JETFLOOR INSULATED AGAINST STRICT NEW REGULATIONS...

The introduction of new Thermal Insulation Regulations in 1990 will increase the use of Trent Jetfloor's beam and block suspended flooring systems. The reason is simply that all the systems are well inside the 0.45 U-value which will be required by the Regulations for ground floors.

While it will be difficult for traditional materials to meet the regulations, Trent Jetfloor's systems will actually have a surplus

"trade-off" value. Jetfloor Plus in particular, at 0.2, will offer the greatest trade-off.

Traditionally a large percentage of beam and block users have seen it as the cost-effective answer to poor ground conditions but the new regulations promise to increase its use in areas with good ground and in those parts of the country where traditional methods still hold sway.



Jetfloor Plus has precast and pre-stressed Jet beams and thermally efficient EPS infill panels. The floor is completed with

a vapour check and flooring grade chipboard, to give a finished floor U-value of 0.2.

INVESTMENT IN 3 NEW BLOCK PLANTS

Marshalls, by far the largest manufacturer of concrete block paving, plans a further increase in production with the commissioning of three major new plants. The new capacity is expected to be on stream early next year and will increase the company's output by around 30%.

The new plants, in Scotland, the South East and the West Midlands, reflect

the company's policy of spreading productive capacity around the UK (Marshalls Mono is the only manufacturer operating on a nationwide basis).

The company has already added to its capacity in the last year, notably with a new plant on the South Coast. That coming on stream has helped Marshalls to widen its lead in the block paving market.

Armitage Brick's new Dales range may take the colours and ruggedness of Yorkshire's hills and valleys for inspiration but these stunning new facing bricks will be at home anywhere in Britain. From the rich red, brown and blue blends of Derwentdale and Airedale, to the predominant corn base of Ryedale they have all the recognised hallmarks of Armitage Brick.

There are seven multi-coloured bricks in the range—four with dragwire and three with rustic finishes—and special shapes are also readily available. The natural through colours, the striking textures and the full durability have a famed research and development team behind them and the company's reputation for product quality.

Armitage has lived with the Dales range for a considerable time—from the extensive market research stage, through close consultation with specifiers and on to the lengthy period of production trials and site tests. The result is a range that does more than simply look good. The Dales range is manufactured to BS 3921 and is backed by Quality Assurance Certification and Product Conformity Licences from CICS. It offers full frost resistance and low soluble salt content.

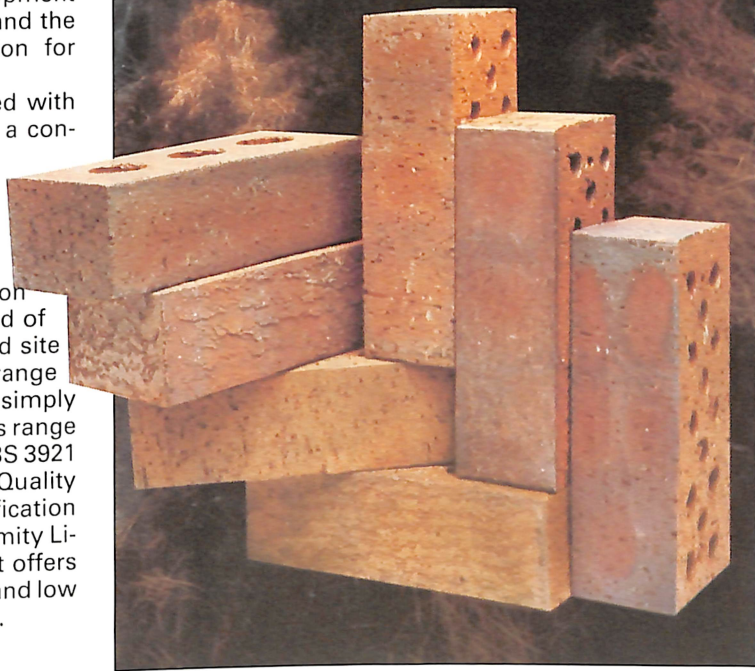
NEW FROM ARMITAGE - SEVEN NEW FACING BRICKS IN THE DALES RANGE

NEW IN THE DALES RANGE

Derwentdale (Dragwire or rustic) **Airedale** (Dragwire)—both are in attractive blends of reds, browns and blues.

Swaledale (Dragwire or rustic)—a striking fusion of red, brown, blue and purple hues.

Ryedale (Dragwire or rustic)—characterised by a unique corn coloured hue, with a subtle hint of red and blue.



TEAK ADDED TO ROSEDALE COLLECTION

★ The new teak Blenheim seat has an elegantly curved back frame design which is mirrored in the front bracing. The

Blenheim has undeniable style and comes ready assembled in the choice of four, five or six feet lengths.



★ The new Buckingham seat, with its curved back rail and slatted backrest, is more than a functional three-seater – it also has

the graceful good looks for any garden situation.



★ The new Steamer Chair is a recliner that owes much to the deck furniture of the great steamship age. There are no compromises in the solid teak

construction which is designed for long life. The Steamer adjusts easily to three posture positions and has ample armrests.



★ This compact teak coffee table is complementary with all the seats in the Rosedale Collection's new teak range.

**PLUS
NEW IROKO
DESIGNS**

There are fourteen new hardwood garden furniture designs for 1990 in the Rosedale Collection, including new Teak models. They reflect the company's commitment to widening its range and building on its growing share of the garden leisure and landscaping markets.

Wide choice is one of the key factors at the quality end of the markets where Rosedale operates. In these sectors the general public and landscapers alike are looking for solid workmanship, individuality and style. All three are noticeable features of the new additions.

The new designs fill one

or two gaps in the existing range but they also open up new business possibilities. Teak furniture is one example. Previously the company had worked almost exclusively in Iroko but that cancelled out a great deal of potential business with retailers with a traditional teak bias.

Six of the new designs are in teak, including the luxurious Steamer chair and oval-back Blenheim seats. In Iroko Rosedale has introduced planter troughs (to fit standard liners and growbags), new seats and – one of the stars of the collection – a barbecue hostess trolley that's too good to be outside.



★ No one has the mostest without the new Barbecue Hostess Trolley, a new Iroko design in the Rosedale Collection. The luxurious features include secure racks for glasses, a three compartment cutlery

tray, bottle racking (for five!), an ample tiled area for hot dishes and a tray that lifts off for carrying to and from the kitchen. Of course it is unashamed luxury – but outdoor living shouldn't ever mean roughing it.



★ The new three feet diameter Rochester table is close-slatted to give a surface that is safe for glasses. This self-assembly model is specifically designed to complement existing Rochester seats and chairs.



★ For 1990 two new lengths of Conway seat have been added to the range – four and five feet.

★ Two new rectangular hardwood planters, which take standard size plastic liners and one which takes a growbag, have been added to the Rosedale Collection.



★ Added to the existing six and eight feet Caernarvon seats is this new five feet version.

A literary underfootnote!

Who knows but in future years historians may argue that Francis Blatton or Philip Marley were the creators of this eloquent paving tribute in front of Shakespeare's birthplace in Stratford-upon-Avon. "But no," the experts will say, "that is unmistakably the original work of Marshalls. The appealing, coarse-textured surface finish of the Saxon Paving and the lines of the Keyblok tell it all."



**Marshalls
Mono**

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