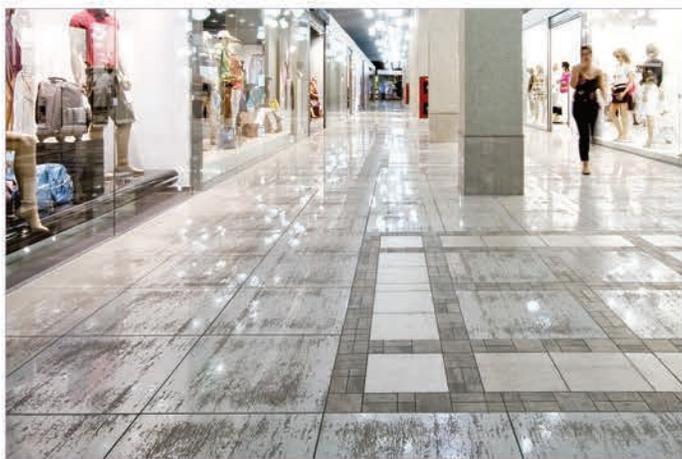
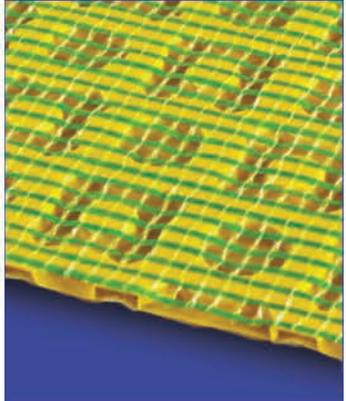
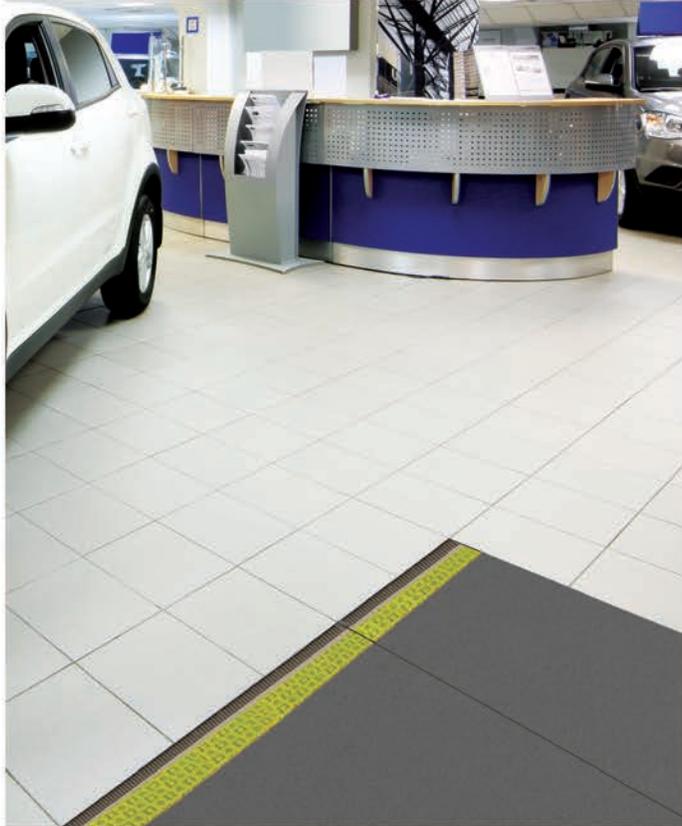
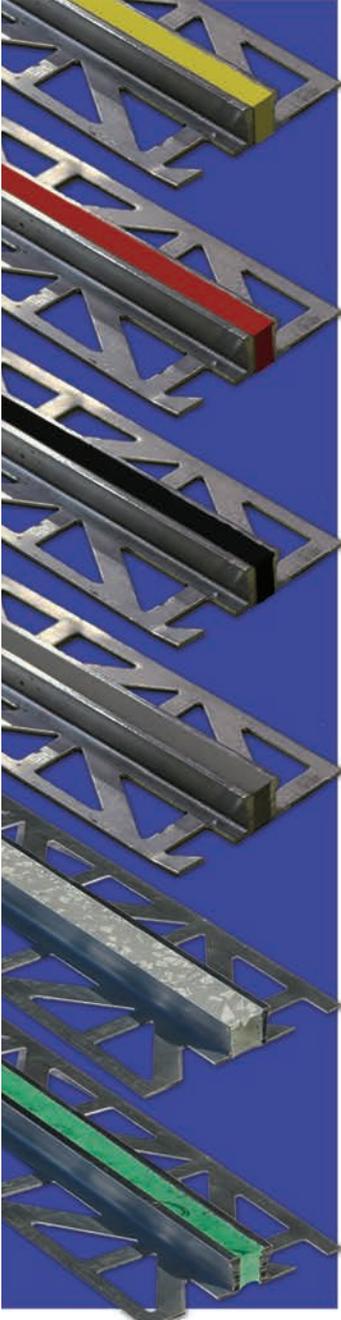


Bespoke Movement Joints

Manufactured for your Project



Coloured Movement Joints



Movement-Joint



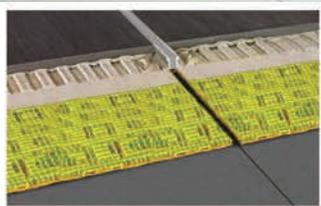
Coloured Movements Joints produce bespoke joints for Hard Flooring, Natural Stone and Slate.

We specialise in colour matching our joints to the grout or the floor finish creating a stylish designer look and a seamless finish.

Our Joints are designed and manufactured to exceed the requirements of BS 5385 and are part of our wide range of trims and accessories for flooring.



CMJ Standard Movement Joint



Cl+ Matting Anti-Crack System



Contents

Movement Joints Range	
Coloured Movement Joints	4
Premium Movement Joints	5
Perimeter Movement Joints	6
Formable Movement Joints	6
Micro Movement Joints	7
Selecting the Right Movement Joint	8
When and where to use Movement Joints	9
Need Help	10
Technical Information	12
Economy Movement Joints	14
About Us	15

Coloured Movement Joints



Key Benefits of Coloured Movement Joints

- Colours to match the full RAL range
- Designed and Manufactured to exceed BS5385
- Robust, Durable and can cope with heavy stresses
- Distributes stresses evenly between the subfloor and floor covering
- Prevents the conduction of noise from footfall and other bodies
- Epoxy infill to provide movement accommodation
- Resistant to puncture and has anti-bacterial properties
- Available in Aluminium, Stainless Steel and Brass

For a high class finish Coloured Movement Joint profiles gives a room a seamless designer look. Our Movement Joints have been the choice of specifiers for years on prestigious projects including many leading automotive brands such as Ford, Mercedes, Audi and Volkswagen. They are used in car showrooms and workshop areas because of their durability and ability to handle a wide range of loadings.

We provide highly competent advice and support and no matter how complex the flooring application we always provide the perfect product, systems and service for specifiers and installers.

We keep the most popular Movement Joints in stock with the most popular RAL coloured infills which enables us to minimise the production lead times of all our bespoke joints. This coupled with a next day carriage service to most UK destinations means that there is minimal interruption to your project.

Coloured Movement Joints provides all 213 RAL Classic Colours in matt shades (RAL 840-HR).

The 4 digit RAL Classic Colours have been the standard for choosing colour since 1927. At the beginning the RAL Classic Colour collection consisted of just 40 shades; but today includes 213 colours.

RAL Classic fully meets the colour requirements of DIN regulations. All RAL Classic Colours have descriptive names to support their 4 digit numbers, for example: RAL 1005 Honey yellow.

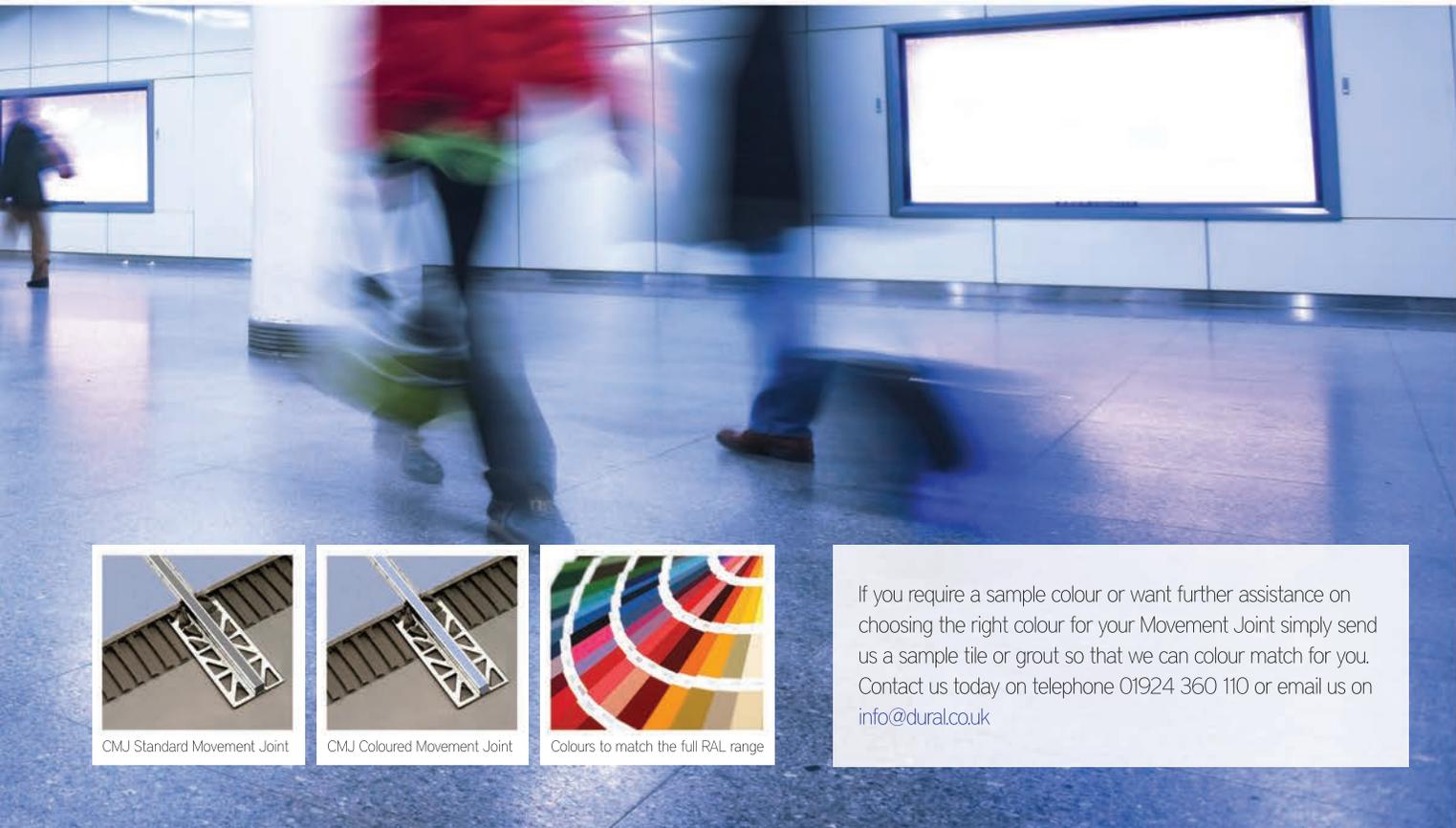


Types of Movement Joints

- Premium Movement Joints
- Wide Movement Joints
- Micro Movement Joints
- Special Finishes
- External Movement Joints
- Formable Movement Joints
- Epoxy Infill
- Perimeter Joints
- Formal Joints

Scan the QR code for more information on types of our Movement Joints





CMJ Standard Movement Joint

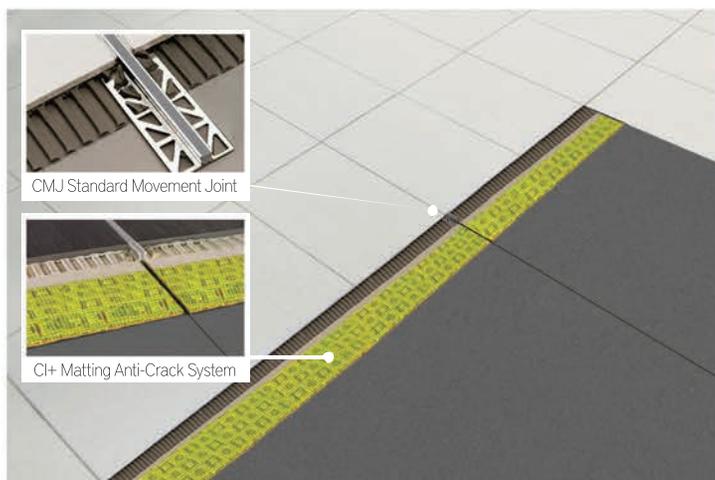


CMJ Coloured Movement Joint



Colours to match the full RAL range

If you require a sample colour or want further assistance on choosing the right colour for your Movement Joint simply send us a sample tile or grout so that we can colour match for you. Contact us today on telephone 01924 360 110 or email us on info@dural.co.uk



CMJ Standard Movement Joint

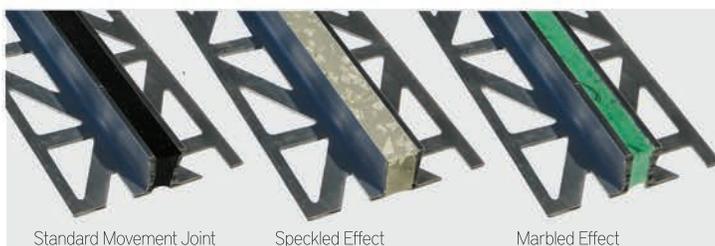
CI+ Matting Anti-Crack System

Combine our Movement Joints with our CI+ Anti-Crack Matting to create beautiful, seamless tiled flooring

Dural CI+ Matting Anti-Crack System

- Saves time, as the Matting allows tiles to be laid as soon as the subfloor can be walked on
- Highly resistant to mechanical loading, in line with DIN 1055-3

Contact us today for more information on our CI+ Anti-Crack Matting on 01924 360 110 or info@dural.co.uk



Standard Movement Joint

Speckled Effect

Marbled Effect

Premium Movement Joints

- Used for installations where elegance and sophistication combine for a 'wow-factor'
- Ideal for Hard Flooring, Natural Stone and Slate
- Create a stylish designer look for high-end applications

Contact us today for more information on our Premium Movement Joints

Perimeter Joints / Formable Movement Joints

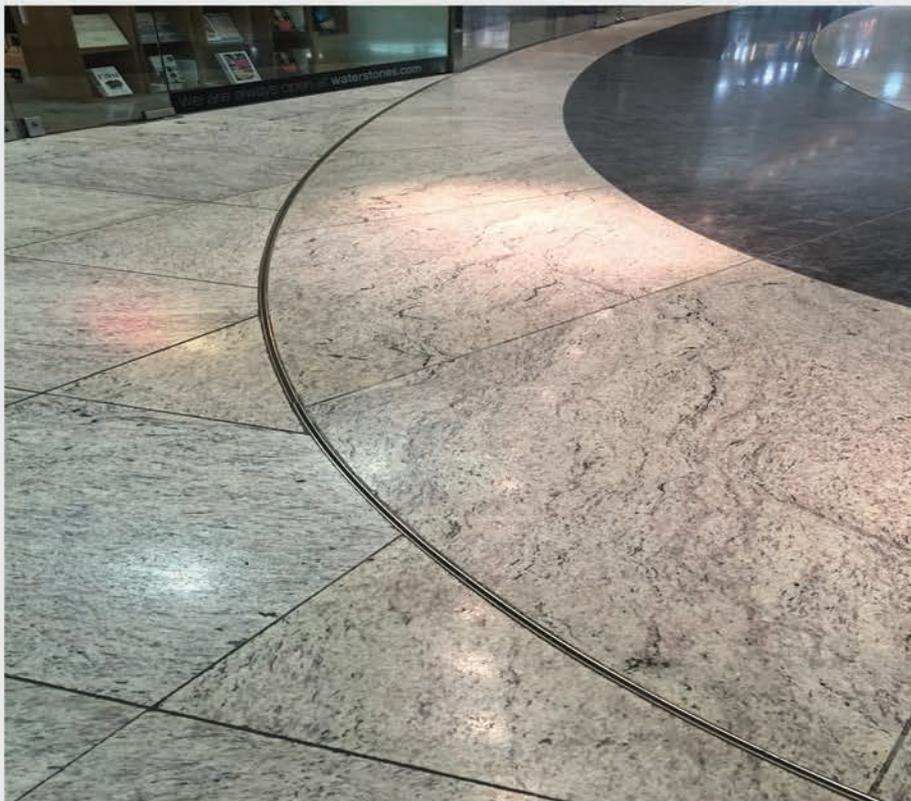


Pictured above: A Movement Joint at Cheltenham Racecourse. Courtesy of SureSet Permeable Paving.



Pictured above: Formable Movement Joint

Pictured right: Formable Movement Joint installed at a Shopping Centre.



Perimeter Joints

The same rules apply for the positioning of movement joints externally – any pre existing joints in the subfloor must be continued through the tiled surface. Perimeter joints must be installed where applicable.

The most important difference for external movement protection is that the frequency of joint doubles or another view is that the protected area or field of tiling to be protected halves. This intention is to protect the installation from thermal shock where, for example, the tiled surface can be heated very quickly by the Sun even in Winter then be cooled rapidly by rain.

The choice of material for external joints is limited. Any aluminium based product will over time suffer corrosion at the exposed top edge. Brass based profiles will also suffer discolouration but will maintain their strength.

The natural material for use externally is stainless steel which will resist weathering and will retain its strength for many years strength and durability into the project. Perimeter Joints are also available as Formable Perimeter Joints

Formable Movement Joints

On occasions it can be necessary to follow a joint in a subfloor which curves. Using special profiles we can manufacture a movement joint which can be formed to produce curves.

We are also frequently asked to produce such products for aesthetic reasons to provide delineation between areas of flooring. An example of this would be for Volkswagen UK where the design requirement for their showrooms was for a product to both protect the cut edges of the tiles and delineate the areas of tiling which consisted of circular areas of tiles set into the background of a contrasting colour.

For the installer this provides an easy way of fulfilling the designer's creative ideas.

Our movement joints are suitable for use with ceramic tiles, natural stone and seamless materials such as epoxy resin flooring.

Increasingly designers are testing the practical ability of the installer. Our profiles help both to achieve the design brief and also build in



Micro Joints are a practical solution in providing aesthetic movement protection within appearance sensitive projects.

Clients can object to the idea of standard movement joints being incorporated in their floor designs. Often these same clients want to employ underfloor heating and possibly prefer a Brick Bond pattern in their tiling. On the other hand the installer knows that movement joints are needed. As a result many tilers ask for a disclaimer from the client stating that any consequences if they are not installed.

This may or may not be a defence in court as a competent tradesman should insist on using the correct method and techniques of installation. It also does nothing for the client to be simply told "I did warn you".

Our solution would be to replace the grout infill in appropriate locations with a colour matched material. We call these items Micro Joints. This would absorb stress within the tiled surface.

The standard width of a movement joint as described in the British Standard 5385 is 6mm. A grout line is likely to be 3mm. This means that we would recommend using this method twice as often within the floor area.

This has proved to be an effective way of removing the stress within the tiled surface and is practically invisible to the client.

In cases where Brick Bond tiling is required the Micro Joint infill can follow the pattern across the floor.

Caution

1. This method is not suitable for use over any existing joint in the subfloor. In such cases vertical movement is likely to occur. A Micro Joint is only effective against horizontal stress.
2. All other consideration and requirements for movement accommodation must be observed. Perimeter and doorway joints must be installed.
3. This method does not meet the requirements of BS 5385. It is simply a way of providing protection when standard products are unacceptable. We would suggest that this concept is put forward to clients as risk reduction and an indemnity is requested.

Please call our technical department to discuss Micro Joints in your installation.

Selecting the Right Movement Joint



Pictured left: Damaged hard flooring, where the crack runs in parallel with the path of the subfloor Movement Joint.

Pictured below: Damaged Movement Joint.



In order to select the right Movement Joint for your project the following criteria needs to be considered:

1. Weight load and traffic over the joint

Car Showrooms, Supermarkets and Retail premises are typical projects where aluminium based Movement Joints are used. They provide good movement accommodation and excellent tile edge protection.

For commercial and industrial use where the weight over the joint is high such as areas where forklift trucks and loaded heavy pallet trucks operate, Stainless Steel supported Movement Joints are a better choice. Stainless Steel is also recommended in areas where chemicals are present such as swimming pools and food production units where an aggressive cleaning regime is required.

2. Colour co-ordination

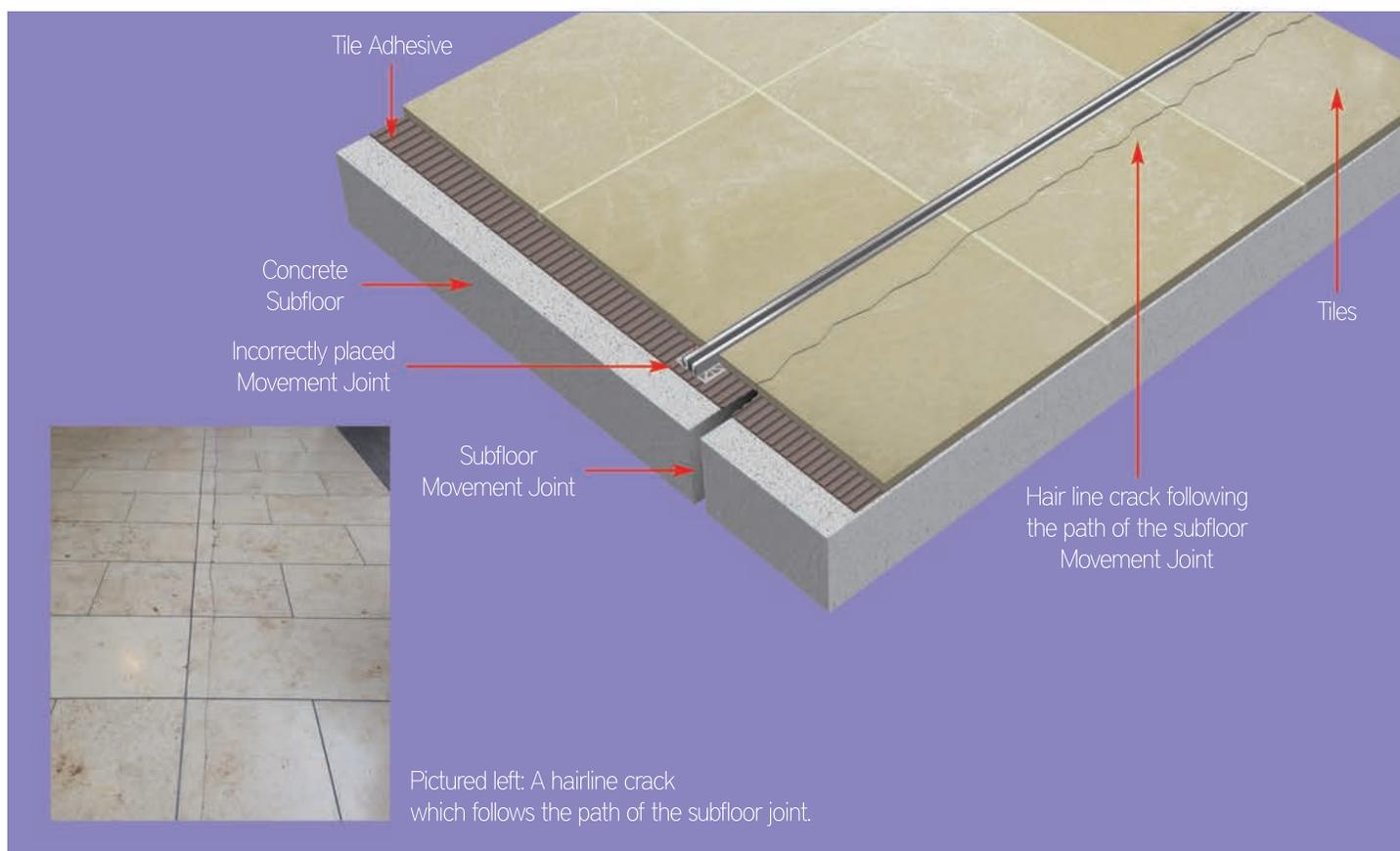
Every project has a design theme and a lot of time and effort is spent choosing the right type and colour for a floor covering. It is often an unwelcome design aesthetic to have a Movement Joint standing out in a beautiful sweeping floor design but Movement Joints MUST go where Movement Joints must go to protect the floor.

Modern M **ovement**

Controlling Movement in Hard Floor Finishes

[Request our CPD Presentation](#)

Contact us for further information on 01924 360 110



When and Where - Some basic rules:

- If there is a joint in the subfloor it must be followed through exactly in the tiled surface. Ignore this at your peril!
- The maximum area of tiling must not exceed 10 metres x 10 metres (see section on heated floors).
- If the floor section exceeds more than 2 metres x 2 metres then a perimeter joint must be installed.
- Tiling in corridors must be protected by being subdivided with a minimum of 10 metres between the joints.
- Perimeter joints must protect obstructions within the floor area such as pillars, fixed plant or features.

Our advice:

As a starting point use the pre-existing joints in the subfloor for your layout but don't forget the perimeter requirements. A joint in the subfloor or a change in materials (such as concrete or screed to timber) is a situation that requires a movement joint at that point. A kitchen extension or the addition of a sunroom are typical situations where vertical movement occurs.

In order to determine where to place the profiles it is necessary to inspect the subfloor because day joints in the screed or pre-existing compound joints will often be the deciding factor. Many of these existing joints are approximately 6 metres apart (British Standard guideline is a max of 10 metres) which can often cause problems with tile layouts leaving some awkward cuts.

Please contact us to discuss this in more detail. Some subfloors are monolithic and have no subdivision. In these situations the movement joint position can be adjusted to best suit the aesthetic layout of the tiling following the 10 metre guide.

As sad Movement Joint fanatics we check out floors wherever we go. It's always bad news when we see a failed floor. We want people to be happy with the installation so that they use tiles again – hopefully with our products.

The purpose of this section is to highlight what happens when basic rules are not followed.

The most common causes of failure are completely avoidable. These are: –

1. Placement
2. Solid Bedding
3. Incorrect choice of profile

Placement

All movement joints must, yes **MUST** be placed directly over each other throughout the floor structure. A moment's thought will see that if the purpose of a movement joint is to absorb movement, placing it anywhere other than where that movement happens is not going to help. Worse still, by bridging the area of movement with a rigid tile, (of whatever material), it is obviously going to crack at that point. A typical example of this error is where a fairly straight crack appears in the tiling, usually about 10cms or less away from where the movement joint is actually fitted.

If you are a Specifier or Fixer and require specific Movement Joint Installation instructions, please contact us on telephone 01924 360110.



Solid Bedding

Cracks can appear alongside perfectly placed movement joints. Typically these would be “half moon” in shape. This is due to a failure to ensure that the fixing flanges of the movement joint are fully embedded into the tile adhesive. All reputable suppliers of movement joints will stress the importance of this solid bedding. Not only is it needed to fully support the tiles at this vulnerable point but also to ensure that the extension and compressive forces within the floor are fully transferred through the supporting profiles to the flexible infill material.

A simple test for this fault is to take a £1 coin and use it to tap along the edges of the tiles alongside the movement joint. Where the tiles are solidly fixed the sound is dull. Over hollows in the bedding the sound will change to a sharper, clearer tapping. Invariably if the tiles are lifted for investigation this simple test has proved accurate.



Pictured far left (page 10), left, and above: Hairline cracks which follow the path of the subfloor Movement Joint.



Pictured right: Damaged Movement Joint.

Incorrect Choice of Profile

This problem is in two parts both of which can affect the longevity of the tiled installation.

Size – the depth of the movement joint must match that of the tile and adhesive bed. Ideally the top of the movement joint should be slightly below that of the tiles. (1 to 2mm maximum). Under no circumstances should the movement joint be proud of the surface.

Material – This is an example of over optimistic cost saving. Plastic Movement Joints have a very limited use in domestic and very light commercial areas. In ALL other circumstances please, please use a movement joint with metal side supports. They cost more but their performance is absolutely superior to plastic.

Our team of friendly and experienced staff are on hand to help guide you through the requirements of your project.

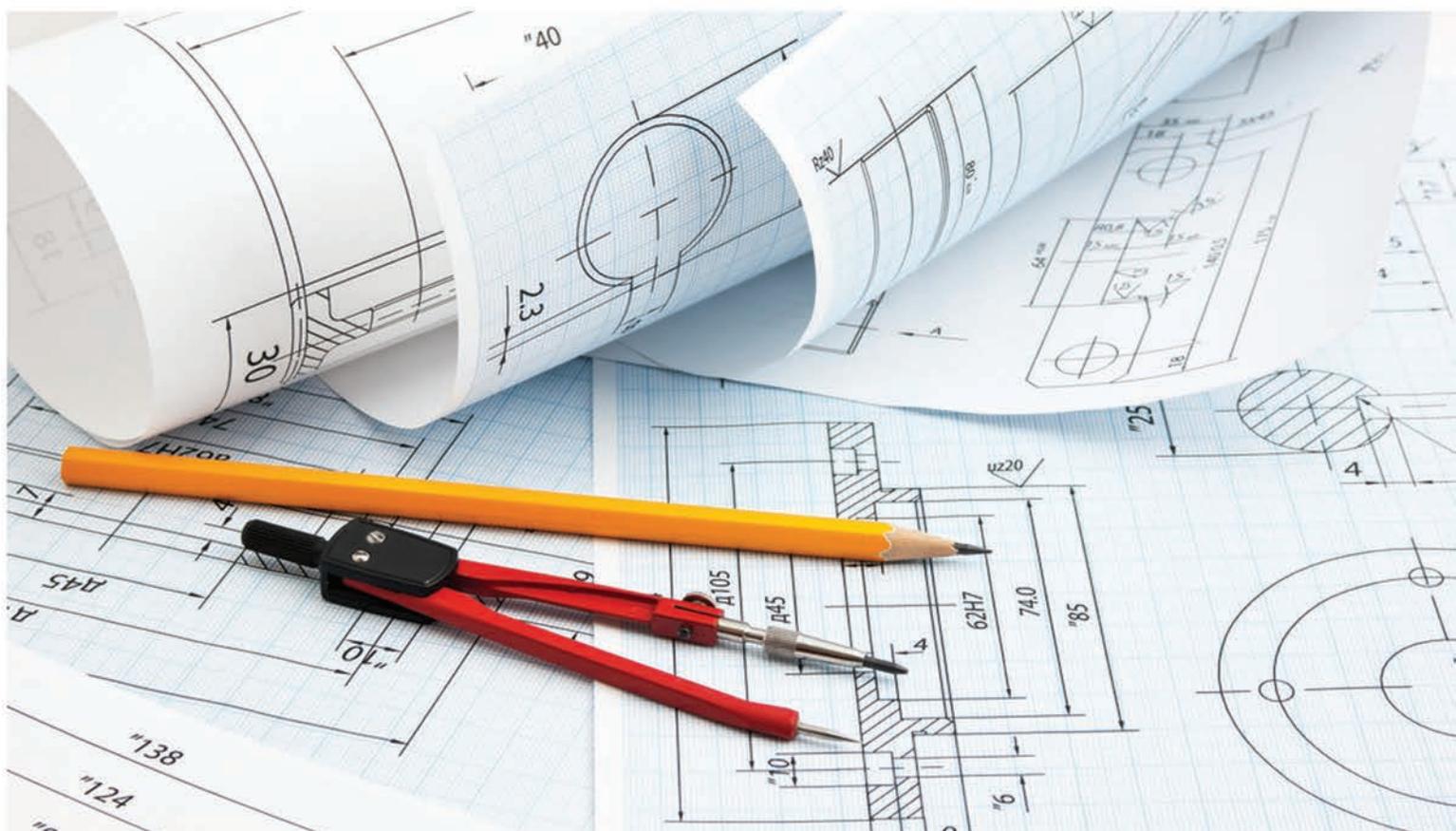
If you require a sample colour or want further assistance on choosing the right colour for your Movement Joint simply send us a sample tile or grout so that we can colour match for you. Contact us today on telephone 01924 360 110 or email us on info@dural.co.uk

Need more information?
Download and view our
Installers Guide direct on
your Smart phone



Click the QR code
to view the
Installers Guide





All hard flooring moves independently by expanding and contracting at different rates so it is a requirement for flooring installations to have Movement Joint protection. Movement Joints are an effective way to protect ceramic and other hard floor coverings from the stresses that cause cracking, tenting or popping on the surface.

Clients generally do not like movement joints because it is felt that they can be obtrusive and spoil the aesthetic appearance of their

carefully chosen floor. Specifiers and installers know that Movement Joints need to be used to absorb the natural movements in the floor. Architects are required to specify products that are fit for purpose and conform to building regulations and installers have a duty to provide good advice and workmanship. What ever your job title, our team of friendly and experienced staff are on hand to help guide you through the requirements of your projects.



For more technical information on our range of Movement Joints, please refer to our website:

www.colouredmovementjoints.co.uk

- Compressive Performance
- Extensive Performance
- UV Performance
- Load Bearing
- Point Leading
- Placement of Movement Joints
- Movement Joint Sizes
- Large Format Tiles
- Hygiene
- British Standards
- Heated Floors

British Standards 5385

Recommends that a movement joint should be able to absorb 20% of the width of the joint in movement accommodation. – It is actually 20% of the width of the infill.

Brass Profiles

Extruded angles from grade OT58 brass. Highly resistant to chemical attack and mechanical impact. Suitable for internal and external use.

Aluminium Profiles

Extruded angles from grade 6060 int aluminium. Suitable for internal use only and offers medium levels of edge protection from mechanical impact. This profile should not be used in harsh chemical environments.

Stainless Steel Profiles

Cold rolled profile manufactured from AISI304 stainless steel. Recommended for use in food preparation areas, commercial kitchens, breweries and dairies etc. Also highly suitable for use in leisure environments including swimming pools (see below). For further information on the use of our Stainless Steel profiles, contact us.

Leisure Centre Changing Rooms / Swimming Pools

In dry areas of leisure facilities stainless steel V2a (grade304) is adequate. In wet areas other than showers, for example in Swimming pool surrounds, we would recommend grade V4a (grade 316). The chemical composition of pool water can vary; it is always wise to provide these details in order that we can make a definitive recommendation.

Heated Floors

Over the last decade there has been a growth in the use of both electrical and wet system under floor heating and a parallel growth in the use of large format tiles has created a new set of problems for the installer. The first thing to remember is that the rapid expansion and contraction of the subfloor creates a very high level of stress, much higher than an unheated floor. Guidance from the British Standards has not kept up with the needs of the installer, The Tile Association however have been more forthcoming in recognizing that more guidance is needed. Essentially, guidelines are the same as a standard installation but with reduced field sizes. The TTA suggests that no field of tiling should exceed 40 squared meters with no one side exceeding 8 meters in length before a stress-relieving joint is installed.

Movement-Joint



Movement Joints that fully meet and conform to BS5385



Aluminium Movement Joints

Movement Joints are a vital part of the floor construction. The ultimate floor covering can only fulfil its function where the correct specification is followed.

Substrate preparation – the correct adhesive, applied correctly – good technique and movement joints, correctly placed, are required for success.

We provide quality profiles that fully meet the requirements of BS5385.

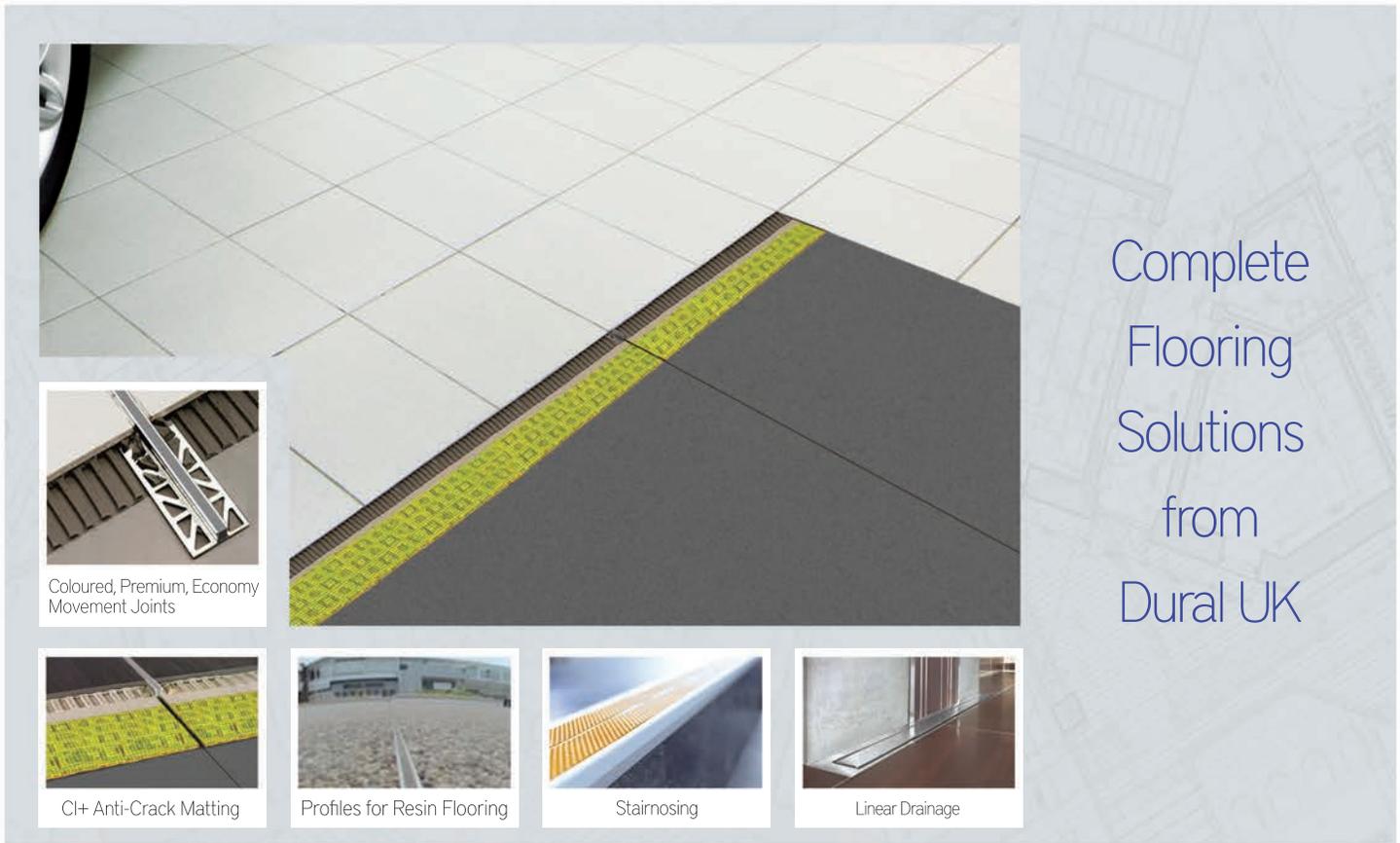


Stainless Steel Movement Joints

Supplied in mid grey or black to suit most requirements the movement zones are supported by a choice of aluminium or stainless steel profiles to suit tiles of 10mm and 12.5mm depths.

Priced to be competitive these products are ideally suited for large projects where performance coupled by cost effectiveness is of paramount importance.

For more information regarding our Economy range of Movement Joints, please contact us today.



Complete
Flooring
Solutions
from
Dural UK

Coloured, Premium, Economy
Movement Joints

CH+ Anti-Crack Matting

Profiles for Resin Flooring

Stairnosing

Linear Drainage

Our Movement Joints have been specified on many projects including retail, commercial, transport, education, hotels, sport & leisure, prisons and Terminal 5, Heathrow.

Major car brands including Ford, Mercedes, Audi and Volkswagon to name a few have used our Movement Joints because they create a high class finish and when our Coloured Movement Joints are used we can also create a seamless designer look which is a preferred finish in car showroom areas. They are also used in the workshop areas because they are durable and have the ability to handle a wide range of loadings.

Not only can our CMJ movement joints cope with heavy stresses and distribute them evenly between the subfloor and floor covering, they can also prevent conduction of noise from footfall and other bodies. Even floors subject to heavy stresses remain in better condition for longer when our movement joints are specified.

All CMJ movement joints are designed and manufactured to exceed the requirements of BS 5385 and can be used with Slate, Natural Stone and

If you would like to arrange a site visit to discuss your requirements, please contact us on telephone 01924 360110.

Ceramic tiled floors.

We also provide highly competent advice and support. No matter how complex the application we can provide the perfect solution, including both products and service.



Product Range
brochure

Resin Profiles
brochure

CH+ Anti-Crack Matting
brochure

Useful References:

- Coloured Movement Joints www.colouredmovementjoints.co.uk
- Economy Movement Joints www.movement-joint.co.uk
- Premium Movement Joints www.colouredmovementjoints.co.uk
- CH+ Anti-Crack Matting www.cimatting.co.uk
- Profiles for Resin Flooring www.resinprofiles.co.uk
- Stairnosing www.dural.com
- Linear Drainage www.dural.com



Coloured Movement Joints

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Web: www.colouredmovementjoints.co.uk

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Dural UK are members of
The Tile Association