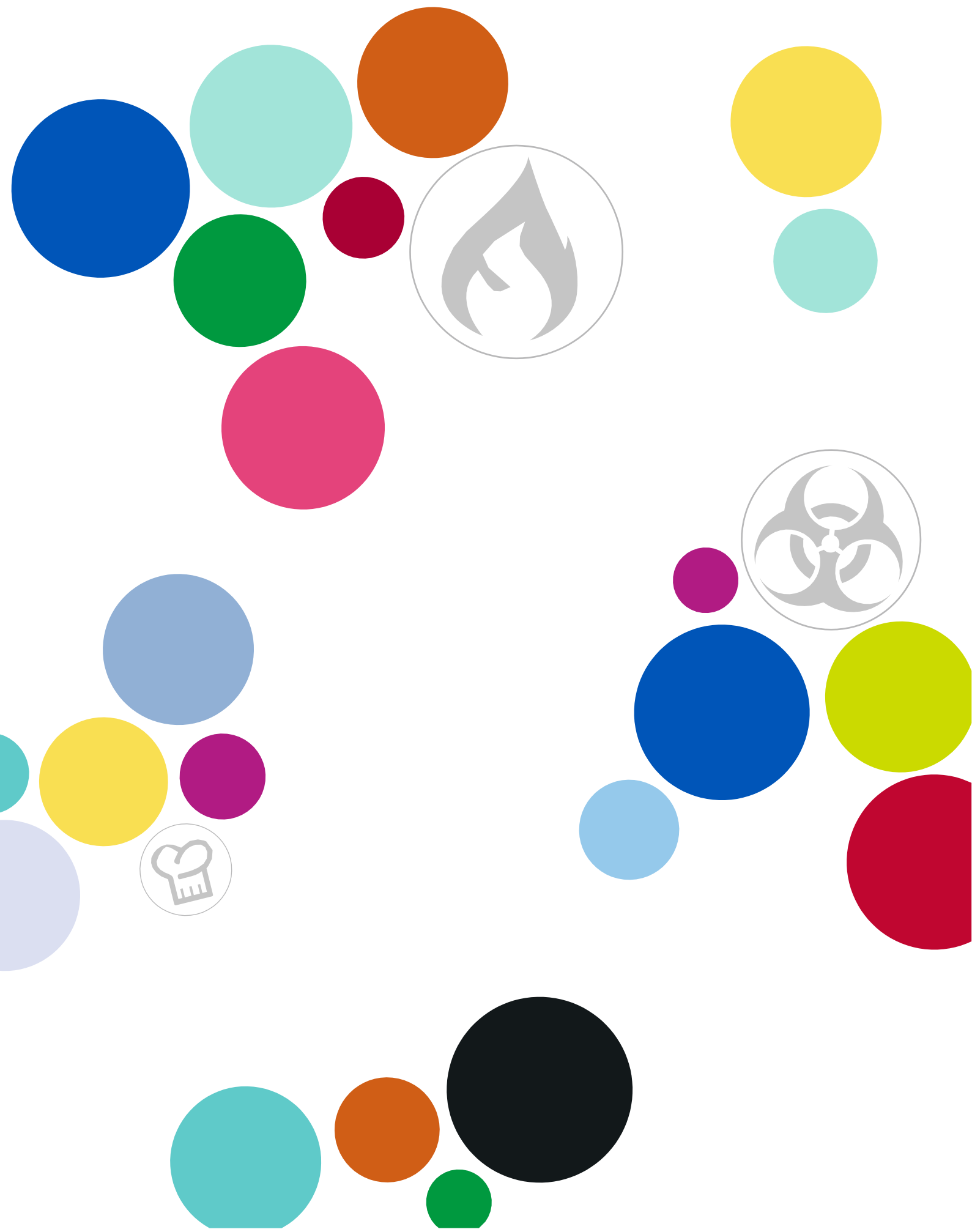


# Jemiclad

Safe Hygienic Protection



# Where Jemiclad works



**Commercial Kitchens**



**Leisure Facilities**



**Gyms**



**Animal Facilities**

# Why choose Jemiclad?

With 30 years experience in the supply and installation of over 1 million square metres of hygienic cladding, Jemiclad has a wealth of expertise and knowledge of hygienic and highly demanding environments.

We can respond to and assist with understanding new regulations or any other challenges you may have with your project.

Jemiclad is available across the UK and internationally and is perfect for places such as; restaurants, fast food outlets, hospitals and other medical settings, care homes, gyms, schools and other hygienic environments.

## The Product

Jemiclad is an effective wall covering where hygiene or ease of cleaning is paramount. It is manufactured from the highest quality PVCu resin, without fillers meaning it is 100% recyclable and has a Class 0 fire rating.

The cladding sheets are very easy to handle and cut, with the excellent bonding results, this allows for fast and efficient installation. In addition, our sheets can be hot welded superbly and thermoformed (with the exception of our slightly thinner Sureclad panel).

## Jemiclad Ranges

**Jemiclad Pro** 2.5MM subtle-coloured satin-finished panels, ideal for the healthcare industry.

**Jemiclad Gloss-** 2.5mm sheets with a gloss finish. These sheets come in a variety of different colours.

**Jemiclad Satin-** This range includes 2.5mm sheets that include a satin finish, this range incorporates a variety of different colours.

**Jemiclad Photojemic** Photojemic includes the creation of your own ideas or images which are transferred onto cladding which is hygienic and durable.

**Jemiclad FR** Our fire-resistant panel that boasts lowest smoke rating on the market at Class 0.

**Jemiclad Antimicrobial** The antimicrobial panel which is ideal for environments that need the highest level of hygiene.

**Jemiclad Sureclad** A system created for the catering and back-of-house environments. Sureclad sheets are easy to work with and have all the technology of our other ranges, including a Class 0 fire rating. However, with this Sureclad Sheet we do not recommend welding Sureclad.

Jemiclad is stocked, supplied, and specified throughout places such as; the UK, Ireland, UAE, Canada, and the USA. For more information, orders or and inquiries contact [sales@jemiclad.co.uk](mailto:sales@jemiclad.co.uk)

**Hygienic cladding systems need to live up to their promises.**

**Jemiclad**

**disappoint.**

# Jemiclad Gloss Range

# Jemiclad Satin Range



The Olive One S01



The Light Grey One S02



The White One S03



The Oyster White One S04



The Dark Grey One S05



The Black One S06



Hot Pink-S37



Cherry-S38



Imperial Purple- S39



Beryl Blue- S40



The Yellow One- S26



Tic Tac Orange-S27



The Royal Blue One- S28



Tic Tac Lime- S29

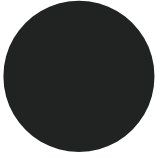


Malden Green-S41

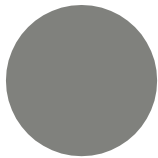


The Bright Red One-S30

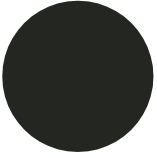
## Jemiclad Earth Colours



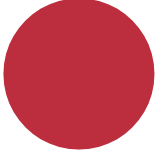
Midnight S16



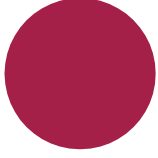
Dolphin Grey S15



Granite S17




Raspberry Shake S19



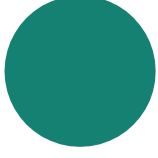
Cherry Pie S18



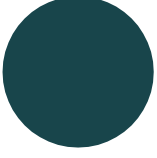
Purple Heart S20



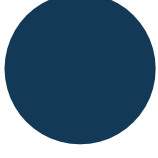
Enchanted S22



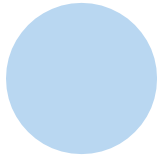
Teal S21




Ocean S23




Sapphire S24



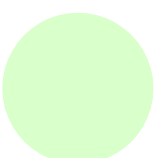
Pastel Blue-S10




Pastel light grey-S09



Pastel Cream-S08




Pastel Green-S11




Mojito-S43



Sandstone- S44



Fawn-S45



Cloud-S42

## Jemiclad Sureclad



White Satin-S12

Coming soon.  
Jemiclad Haircell  
(aka) Suede One



# Jemiclad Protect and Defend



**Jemiclad supply an antimicrobial sheet with silver iron technology killing 99.9% most superbugs known to man!** The silver iron technology can be traced throughout the panel for its entire lifetime, giving you peace of mind that you have specified the safest wall finish on the planet.

# Photojemic Believe in yourself



Photojemic are great visual effects and photos printed onto our Jemiclad Hygienic wall cladding.



As shown above any photo can be applied to photojemic



# Jemiclad Components and Installation

In addition, Jemiclad supplies components that apply to the Jemiclad hygienic wall cladding, examples of these are, bonding adhesives, all over adhesives (one-part or two-part), finishing silicones and Jemifix Tape.



**Jemifix Tape**  
75 wide  
Double sided  
foam tape

Jemifix Two Part adhesive can be used on an uneven surface where we recommend using a 6mm square notched towel whereas with our Jemiclad one-part adhesive we recommend applying this with a 3mm notched towel.



**Jemifix All-over Adhesives**  
  
Two-part epoxy (all substrates) 6.5kg Pale  
  
One-part water based (porous substrates) 12kg Pale



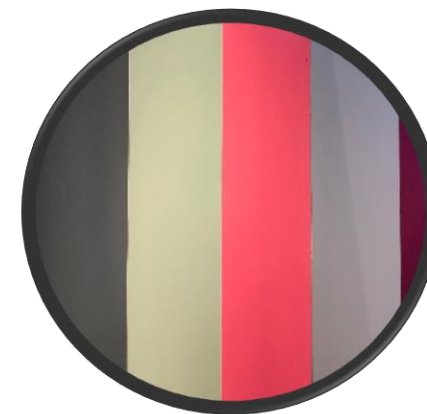
**Bonding Adhesive**  
310ml Cartridge bonding



**Finishing Silicones**  
310ml Cartridge low modulus finishing caulk

# Jemiclad Components and Installation

Jemiclad can be applied to a range of places, for example a typical application place is Hospitality, healthcare or kitchens. As well as this Jemiclad includes a variety of different colour and types of sheets giving you a great range of options for the place you want to fit Jemiclad.



# Jemiclad Technical Details

| Mechanical Properties                | Standard               | Unit  | Value      |
|--------------------------------------|------------------------|-------|------------|
| Apparent density                     | DIN EN ISO 1183        | g/cm3 | -1.43      |
| Yield stress (tensile strength)      | DIN EN ISO 527         | MPa   | 55         |
| Elongation at tear                   | DIN EN ISO 527         | %     | 15         |
| Flexural strength                    | DIN EN ISO 178         | MPa   | 80         |
| Compressive strength                 | DIN EN ISO 844         | MPa   | 70         |
| Modulus of elasticity                | DIN EN ISO 527-2/1A/50 | MPa   | 3000       |
| Notched impact strength              | DIN EN ISO 179-1 @PA   | KJ/M2 | 4          |
| Impact strength                      | DIN EN ISO 179         | KJ/M2 |            |
|                                      | 0°C/32°F               |       | No Failure |
| Ball indentation hardness (358N/30s) | DIN EN ISO 2039        | W/mK  | -100       |

| Thermal Properties   | Standard                     | Unit     | Value       |
|--|------------------------------|----------|-------------|
| Vicat softening temperature  | DIN EN ISO 306 (Process B50) | °C<br>°F | 75<br>167   |
| Deflection temperature   | DIN EN ISO 75                | °C<br>°F | -68<br>-154 |
| Coefficient of linear thermal expansion<br>from 30°C/-22°F to +50°C/+122°F | DIN EN A1359-2 (process Ae)  | mm/mK    | 0.08        |
| Thermal conductivity from 0°C/32°F to 60°C/122°F                           | DIN EN ISO 22007             | W/mK     | 0.16        |

| Electrical Properties                        | Standard                     | Unit  | Value            |
|--|------------------------------|-------|------------------|
| Dielectric constant E <sub>r</sub> (at 1kHz) | VDE 0303 T4                  |       | 3.4              |
|  | VDE 0303 T4                  |       | 0.016            |
| Surface resistance                           | DIN VDE 03030 T30 DIN IEC 93 |       | 10 <sup>15</sup> |
| Volume resistivity                           | DIN VDE 03030 T30 DIN IEC 93 | - m   | 10 <sup>14</sup> |
| Dielectric strength                          | DIN VDE 03030 T21 1mm sheet  | KV/mm | 23               |
| Tracking resistance                          | DIN IEC 112                  | Level | CTI 600          |
| Arc resistance                               | DIN VDE 0303 TS              | Index | 2.2.2.2          |

| Other Properties                        | Standard   | Unit                | Value                |
|---|--|---------------------|----------------------|
| Water absorption after 7 days           | DIN EN ISO 62  | %                   | <0.08                |
| Fire behaviour: surface spread of flame | BS 476 Part 7 (1987)   | Class 1<br>Class 1Y | 1□4 mm<br>2.5□3 mm   |
| Fire behaviour: fire propagation        | BS 476 Part 6 (1989)   |                     |                      |
| Fire behaviour                          | DIN 4102 (DE)  | B1                  | 1□3 mm               |
|   | NF P 92-501 (FR)<br>USA - ASTM E84 Class A<br>CAN - Can/UCL-S102.2 | M1<br>M2            | 1.2□8 mm<br>10□30 mm |
|   | UL 94 (USA)  | V0/5VB              | 1□30mm               |
| Physiological assessment                | Generally recognised as safe                                       |                     |                      |

when fixed to a non-combustible substrate

| Chemical Resistance               |                 |             |        |
|-----------------------------------|-----------------|-------------|--------|
| Medium Organic Chemicals          | Concentration % | Temperature |        |
|                                   |                 | 20 ° C      | 60 ° C |
| Formic acid                       | 10              | ++          | ++     |
| Formic acid                       | 100             | ++          | +      |
| Aniline                           | -               | -           | -      |
| Ethanol                           | -               | ++          | +      |
| Benzine-benzene mixture (BV-Aral) | -               | -           | -      |
| Benzene                           | -               | -           | -      |
| Butanol                           | -               | ++          | ++     |
| Cyclohexane                       | -               | ++          | +      |
| Cyclohexanol                      | -               | ++          | ++     |
| Decalin                           | -               | ++          | ++     |
| Diesel fuel                       | -               | ++          | -      |
| Diethyl ether                     | -               | -           | -      |
| Pure acetic acid                  | -               | ++          | -      |
| Acetic acid                       | 10              | ++          | ++     |
| Formaldehyde                      | -               | ++          | +      |
| Glycol                            | -               | ++          | ++     |
| Fuel oil                          | -               | ++          | k.A.   |
| Heptane                           | -               | ++          | -      |
| Hexane                            | -               | ++          | ++     |
| M-cresol                          | -               | +           | -      |
| White spirit                      | -               | ++          | 0      |
| Machine oil                       | -               | ++          | ++     |
| Methanol                          | -               | ++          | +      |
| Olive oil                         | -               | ++          | ++     |
| Petroleum ether                   | -               | ++          | +      |
| Turpentine                        | -               | ++          | 0      |
| Toluene oil                       | -               | -           | -      |
| Transformer oil                   | -               | ++          | ++     |
| Xylene                            | -               | -           | -      |

| Medium Inorganic Chemicals | Concentration % | Temperature |        |
|----------------------------|-----------------|-------------|--------|
|                            |                 | 20 ° C      | 60 ° C |
| Ammonia                    | 24              | ++          | -      |
| Chromosulphuric acid       | -               | ++          | 0      |
| Potash lye                 | 10              | ++          | ++     |
| Aqua regia                 | -               | ++          | 0      |
| Sodium Chlorite            | 40              | ++          | ++     |
| Sodium dithionite          | 10              | ++          | ++     |
| Sodium hypochlorite        | 40              | ++          | ++     |
| Soda lye                   | 10              | ++          | ++     |
| Soda lye                   | 40              | ++          | ++     |
| Phosphoric acid            | 10              | ++          | ++     |
| Phosphoric acid            | 95              | ++          | ++     |
| Nitric acid                | 10              | ++          | ++     |
| Hydrochloric acid          | 10              | ++          | ++     |
| Hydrochloric acid          | 35              | ++          | ++     |
| Sulphuric acid             | 10              | ++          | ++     |
| Sulphuric acid             | 96              | ++          | ++     |

|    |                     |                            |
|----|---------------------|----------------------------|
| ++ | good resistance     | Weight difference under 1% |
| +  | resistant           | Weight difference 1□5%     |
| 0  | partially resistant | Weight difference 5□10%    |
| -  | non-resistant       |                            |

**Jemiclad**  
Safe Hygienic Protection



# The Details

Safe Hygienic Protection

## HYGIENIC WALL CLADDING UPVC WALL CLADDING SHEET

PVCu linings to walls & ceilings:

|                          |  |
|--------------------------|--|
| Sheet                    | Extruded semi-rigid PVCu sheet, EU grade   |
| Maximum service Temp     | 60°C   |
| Fire rating              | BS 476 Part 7 (1987) surface spread of flame - Class 1<br>BS 476 Part 6 (1989) fire propagation - Class 0*<br>DIN EN 13501-1 B-S2d0<br>DIN EN 13501-1 B-S3 d0<br>ASTM E 84 Class A |
| Manufacturer             | Jemiclad Gloss finish  |
| Product Reference        | Jemiclad Satin finish<br>Jemiclad FR<br>Jemiclad Photojemic<br>Jemiclad Sureclad<br>Jemiclad AM one  |
| Width                    | 1220MM   |
| Length                   | 2440/2500mm or 3000mm  |
| Thickness                | 2.3MM, 2,5MM or (Sureclad) 1.8MM   |
| Surface finish           | Satin or gloss   |
| Colour                   | White and various gloss & satin  |
| Light reflectance values | 68-93 (ask for details)  |
| Adhesive                 | Jemifix  |

Jemiclad reserves the right to change any product specification, design, or description without prior notification. We cannot accept any responsibility or liability for any loss or damage that occurs as a result of an error or omission in this brochure

# Where Jemiclad is



# Installation options

|   |  |                                   |   |  |  |
|---|--|-----------------------------------|---|--|--|
| <p>PVC division bar (H-trim) 2-Part</p> |  | <p>Welded joint detail</p>        | <p>Jemiclad to quarry tile floor detail</p>           |  | <p>Jemiclad to resin flooring joint detail</p> |
| <p>PVC edge trim (J-trim)</p>           |  | <p>Thermo-formed corners</p>      | <p>Self-coved with cove former &amp; capping seal</p> |  | <p>Cold weld joint detail (mastic)</p>         |
| <p>Vinyl floor 2-Part joint detail</p>  |  | <p>Vinyl floor overlay detail</p> | <p>Jemiclad under quarry tile detail</p>              |  | <p>Jemiclad to door architrave detail</p>      |