



WINTER WORKING?  
SPECIALIST CONSTRUCTION SOLUTIONS  
will keep your projects on track

**PAREX**



## REPAIR MORTARS

### FebSET® 45



| 1                   |                         |   |                                  |           |                   |
|---------------------|-------------------------|---|----------------------------------|-----------|-------------------|
| COMPONENT           | APPLICATION TEMPERATURE | LAYER THICKNESS   | COMPRESSIVE STRENGTH             | MIXING    | CLEANING OF TOOLS |
| 1-component<br>25kg | -20°C to +30°C          | 20 - 100mm<br>(greater thicknesses<br>can be achieved with<br>10mm aggregate) | 2 hours:<br>~30N/mm <sup>2</sup> | Add water | Use water         |

**DESCRIPTION:** Specially formulated rapid repair mortar, which gives controlled, extremely high early strengths. Trafficable after 45 minutes. High bond strength, no primers required.

**USES:** Provides controlled, extremely high early strengths and works in extremely low temperatures. Designed for rapid bedding/installing of steel ironwork and bonding streetscape flags, blocks and kerbs. Also suitable for general repairs to concrete/stone, kerbs, steps, beams, lintels and sills. Cold store floor areas; roads and nosings, bridge decks, quays/crane rails; industrial floor areas, loading bays and warehouses; around fixing bolts. Raising and levelling manhole covers, gratings, hydrants, etc.

**Complies with EN 1504-3 Class R4.**

### Sikadur®-12 Pronto



| 2                   |                         |  |                                  |             |                   |
|---------------------|-------------------------|--|----------------------------------|-------------|-------------------|
| COMPONENT           | APPLICATION TEMPERATURE | LAYER THICKNESS  | COMPRESSIVE STRENGTH             | MIXING      | CLEANING OF TOOLS |
| 2-component<br>25kg | -10°C to +30°C          | 5 - 30mm<br>(flowable grout)<br>20 - 100mm<br>(thixotropic mortar) | 2 hours:<br>~73N/mm <sup>2</sup> | Parts A + B | Use Thinner C     |

**DESCRIPTION:** Acrylic, multi-purpose, fast strength gain, hand applied or flowable repair mortar and grout.

**USES:** Concrete repairs to roadways, runways, car park decks, industrial floors, stairs, precast concrete units, and void, cavity and pore hole filling. It can also be used for grouting bridge bearings, foundations, anchors and bolts.

**Complies with EN 1504-6 and EN 13813.**

## CEMENTITIOUS MORTARS AND CONCRETES

### Parex® Highway CA1



|                     |                                |  |                                 |               |                          |
|---------------------|--------------------------------|--|---------------------------------|---------------|--------------------------|
| <b>1</b>            |                                |  |                                 |               |                          |
| <b>COMPONENT</b>    | <b>APPLICATION TEMPERATURE</b> | <b>LAYER THICKNESS</b>                                 | <b>COMPRESSIVE STRENGTH</b>     | <b>MIXING</b> | <b>CLEANING OF TOOLS</b> |
| 1-component<br>25kg | +1°C to +35°C                  | 15 – 75mm (thicker layers achievable with pea shingle) | 1 hour:<br>~20N/mm <sup>2</sup> | Add water     | Use water                |

**DESCRIPTION:** Cementitious, rapid setting bedding mortar. Allows fast 'return to service' and is chloride free.

**USES:** Safely used with cast and steel units. Used for bedding of raised manhole frames; bedding of frames in new roads; and support of road furniture.

### Parex® Super FG



|                     |                                |                        |                                  |               |                          |
|---------------------|--------------------------------|------------------------|----------------------------------|---------------|--------------------------|
| <b>1</b>            |                                |                        |                                  |               |                          |
| <b>COMPONENT</b>    | <b>APPLICATION TEMPERATURE</b> | <b>LAYER THICKNESS</b> | <b>COMPRESSIVE STRENGTH</b>      | <b>MIXING</b> | <b>CLEANING OF TOOLS</b> |
| 1-component<br>25kg | 0°C to +35°C                   | 8 – 50mm               | 2 hours:<br>~25N/mm <sup>2</sup> | Add water     | Use water                |

**DESCRIPTION:** Magnesium phosphate based, rapid hardening, self-priming, non-shrink, non-corrosive to steel, concrete repair and highway bedding mortar. Achieves high early and ultimate strengths and offers increased resistance to de-icing salts and freeze-thaw.

**USES:** Re-bedding of raised manhole frames. Bedding of frames in new roads. Support of road furniture. Rapid repairs to concrete surfaces. Repairs to cold room areas.

## RESIN GROUTS AND RESIN ANCHORING SYSTEMS

### Sikadur-42+ HE Cold Climate



| <b>3</b>              |                         |                 |  |                 |                    |
|-----------------------|-------------------------|-----------------|--|-----------------|--------------------|
| COMPONENT             | APPLICATION TEMPERATURE | LAYER THICKNESS | COMPRESSIVE STRENGTH                       | MIXING          | CLEANING OF TOOLS  |
| 3-component<br>20.4kg | +5°C to +30°C           | 10 - 100mm      | 3 Days:<br>~78N/mm <sup>2</sup><br>at +5°C | Parts A + B + C | Use Sika Thinner C |

**DESCRIPTION:** High performance, non-shrink, high precision, moisture-tolerant, pourable epoxy grout. Achieves high early strength, has a low coefficient of thermal expansion, offers high vibration resistance, cures fast, is corrosion and chemically resistant, and impermeable to most liquids and water vapour.

**USES:** Grouting, anchoring, fixing and concrete repair. **Complies with EN 1504-6.**

### Parex® E20 Epoxy Grout



| <b>3</b>              |                         |                 |                                 |                 |                   |
|-----------------------|-------------------------|-----------------|---------------------------------|-----------------|-------------------|
| COMPONENT             | APPLICATION TEMPERATURE | LAYER THICKNESS | COMPRESSIVE STRENGTH            | MIXING          | CLEANING OF TOOLS |
| 3-component<br>24.6kg | +5°C to +45°C           | 8 - 25mm        | 7 days:<br>~85N/mm <sup>2</sup> | Parts A + B + C | Use Thinner C     |

**DESCRIPTION:** High performance, high flow grout.

**USES:** Grouting gaps in base plates, train rails, bridge bearings, machinery, etc. No loss of performance at low temperatures when used with Parex E33 Winter Additive.

### Parex® E33 Epoxy Grout



| <b>3</b>              |                         |                 |                                 |                 |                   |
|-----------------------|-------------------------|-----------------|---------------------------------|-----------------|-------------------|
| COMPONENT             | APPLICATION TEMPERATURE | LAYER THICKNESS | COMPRESSIVE STRENGTH            | MIXING          | CLEANING OF TOOLS |
| 3-component<br>28.6kg | +5°C to +45°C           | 10 - 50mm       | 7 days:<br>~85N/mm <sup>2</sup> | Parts A + B + C | Use Thinner C     |

**DESCRIPTION:** High performance, high flow grout

**USES:** Base plates, bridge bearings, reciprocal machinery, high impact loads, etc. No loss of performance at low temperatures when used with Parex E33 Winter Additive.

### Parex® E70 Epoxy Grout



| <b>4</b>              |                         |                 |                                 |                        |                   |
|-----------------------|-------------------------|-----------------|---------------------------------|------------------------|-------------------|
| COMPONENT             | APPLICATION TEMPERATURE | LAYER THICKNESS | COMPRESSIVE STRENGTH            | MIXING                 | CLEANING OF TOOLS |
| 4-component<br>33.8kg | +5°C to +45°C           | 35 - 75mm       | 7 days:<br>~79N/mm <sup>2</sup> | Parts<br>A + B + C + D | Use Thinner C     |

**DESCRIPTION:** High performance, high flow grout.

**USES:** Grouting of machinery base plates, crane rail tracks, bridge bearings, compressors, pumps and turbines, reciprocating machinery and high impact loads. No loss of performance at low temperatures when used with Parex E33 Winter Additive

## Parex® E140 Epoxy Grout



|                     |                                |                        |                                 |                        |                          |
|---------------------|--------------------------------|------------------------|---------------------------------|------------------------|--------------------------|
| <b>4</b>            |                                |                        |                                 |                        |                          |
| <b>COMPONENT</b>    | <b>APPLICATION TEMPERATURE</b> | <b>LAYER THICKNESS</b> | <b>COMPRESSIVE STRENGTH</b>     | <b>MIXING</b>          | <b>CLEANING OF TOOLS</b> |
| 4-component<br>40kg | +5°C to +35°C                  | 70 - 140mm             | 7 days:<br>~78N/mm <sup>2</sup> | Parts<br>A + B + C + D | Use Thinner C            |

**DESCRIPTION:** High performance, high flow grout.

**USES:** Machinery base plates, crane rail tracks, bridge bearings, compressors, pumps and turbines, reciprocating machinery and high impact loads. No loss of performance at low temperatures when used with Parex E33 Winter Additive.

## Parex® E33 Winter Additive



|                      |                                |   |                                    |  |                          |
|----------------------|--------------------------------|---|------------------------------------|--|--------------------------|
| <b>1</b>             |                                |   |                                    |  |                          |
| <b>COMPONENT</b>     | <b>APPLICATION TEMPERATURE</b> | <b>LAYER THICKNESS</b>                              | <b>COMPRESSIVE STRENGTH</b>        | <b>MIXING</b>                                      | <b>CLEANING OF TOOLS</b> |
| 1-component<br>0.10g | ≥+5°C                          | 8 - 140mm<br>(depends on product<br>being modified) | 7 days:<br>~78-85N/mm <sup>2</sup> | Add to E20,<br>E33, E70 or<br>E140 Epoxy<br>Grouts | Use Thinner C            |

**DESCRIPTION:** Additive.

**USES:** With E20, E33, E70 and E140 Epoxy Grouts in cold temperatures (≥+5°C) for improved strength development.

## Parex® Tecgrip V (Winter)



|                       |                                |                  |                                 |               |                          |
|-----------------------|--------------------------------|------------------|---------------------------------|---------------|--------------------------|
| <b>2</b>              |                                |                  |                                 |               |                          |
| <b>COMPONENT</b>      | <b>APPLICATION TEMPERATURE</b> | <b>ANNULUS</b>   | <b>COMPRESSIVE STRENGTH</b>     | <b>MIXING</b> | <b>CLEANING OF TOOLS</b> |
| 2-component<br>4.42kg | +5°C to +35°C                  | ≤25mm<br>Annulus | 7 days:<br>~95N/mm <sup>2</sup> | Parts A + B   | Use Thinner C            |

**DESCRIPTION:** Polyester based anchor grout for bolt to hole diametric differences up to 25mm.

**USES:** Fixing of steel bolts and bars into pre-drilled holes within concrete, rock, brickwork, stonework, masonry, etc. The product can be poured or pumped and is suitable for use with base plates, rail tracks, starter bars and dowels, safety fences and balustrades, reciprocating machinery and high impact loads.

## Parex® Railfast Grout (Winter)



|  |                                |  |                                  |                  |                          |
|--|--------------------------------|--|----------------------------------|------------------|--------------------------|
| <b>2</b>                                       |                                |  |                                  |                  |                          |
| <b>COMPONENT</b>                               | <b>APPLICATION TEMPERATURE</b> | <b>LAYER THICKNESS</b>                                   | <b>COMPRESSIVE STRENGTH</b>      | <b>MIXING</b>    | <b>CLEANING OF TOOLS</b> |
| 2-component<br>(3 with<br>aggregate)<br>32.8kg | +5°C to +25°C                  | 10 - 25mm<br>(up to 75mm<br>with aggregate<br>component) | 2 hours:<br>~50N/mm <sup>2</sup> | Parts A + B (+C) | Use Thinner C            |

**DESCRIPTION:** Polyester based, thick section, chemical resistant anchor grout.

**USES:** All types of support for steel and concrete units such as grout pads under both steel and HDPE rail base plates, grout feeder boxes for steel plate supports and beneath all types of frames in vehicular road surfaces during bedding and levelling operations.

## Sika® AnchorFix®-1



| 2  |                         |              |                              |              |                   |
|--|-------------------------|--------------|------------------------------|--------------|-------------------|
| COMPONENT  | APPLICATION TEMPERATURE | ANNULUS      | COMPRESSIVE STRENGTH         | READY TO USE | CLEANING OF TOOLS |
| 2-component 300ml cartridge (supplied as a box of 6) | -10°C to +40°C          | ≤3mm Annulus | 7 days: ~60N/mm <sup>2</sup> | Ready to use | Use Thinner C     |

**DESCRIPTION:** Single cartridge, low wastage, fast curing, non-sag (even overhead), high load capacity, solvent and styrene-free, low odour, polyester anchoring adhesive.

**USES:** Anchoring reinforcing steel, threaded rods, bolts, concrete, hollow and solid masonry, stone and rock.

**Injection system for use in masonry according to ETAG 029, ETA-12/0227. Bonded injection type anchor for non-cracked concrete according to ETAG 001 annex 1 and 5, ETA-13/072.**

## Sika® AnchorFix®-2+



| 2   |                         |              |                              |              |                   |
|---|-------------------------|--------------|------------------------------|--------------|-------------------|
| COMPONENT   | APPLICATION TEMPERATURE | ANNULUS      | COMPRESSIVE STRENGTH         | READY TO USE | CLEANING OF TOOLS |
| 2-component 300ml cartridge (supplied as a box of 12) | +5°C to +30°C           | ≤5mm Annulus | 7 days: ~70N/mm <sup>2</sup> | Ready to use | Use Thinner C     |

**DESCRIPTION:** Single cartridge, low wastage, fast curing, non-sag (even overhead), high load capacity, solvent and styrene-free, epoxy acrylate anchoring adhesive for medium to high loads. Applied with standard application guns.

**USES:** Suitable for cracked concrete, wet/damp (but clean) holes and marine environments.

**LEED Attestation available. ETA to ETAG 001 for anchoring in concrete. ETA to ETAG 001 for rebar connections.**

## RESIN MORTARS

### Parex® Highway Framefix Mortar (Winter)



| 2                |                         |                 |                              |             |                   |
|------------------|-------------------------|-----------------|------------------------------|-------------|-------------------|
| COMPONENT        | APPLICATION TEMPERATURE | LAYER THICKNESS | COMPRESSIVE STRENGTH         | MIXING      | CLEANING OF TOOLS |
| 2-component 25kg | 0°C to +35°C            | 10 - 50mm       | 1 hour: ~50N/mm <sup>2</sup> | Parts A + B | Use Thinner C     |

**DESCRIPTION:** High performance, polyester based bedding mortar.

**USES:** Re-bedding of manholes, supporting and securing street furniture, and bedding frames in new roads, allowing a rapid return to service. The hardened product resists chemical attack from oil based products and road salt.

## Parex® Kerbfix (Winter)



| <b>2</b>            |                         |                 |                                  |             |                   |
|---------------------|-------------------------|-----------------|----------------------------------|-------------|-------------------|
| COMPONENT           | APPLICATION TEMPERATURE | LAYER THICKNESS | COMPRESSIVE STRENGTH             | MIXING      | CLEANING OF TOOLS |
| 2-component<br>14kg | 0°C to +25°C            | 2 - 25mm        | 2 hours:<br>~25N/mm <sup>2</sup> | Parts A + B | Use Thinner C     |

**DESCRIPTION:** Polyester based, bedding and fixing mortar, achieving exceptional bond strength and allowing same day opening.

**USES:** Suitable for a wide range of substrates and can be used to bed slabs and kerbs directly onto precast concrete or asphalt, even when damp. The product can withstand high lateral loading, making it ideal for securing containment kerbs.

## RIGID BONDING

### Sikadur®-31+ Rapid



| <b>2</b>                    |                         |                 |  |             |                    |
|-----------------------------|-------------------------|-----------------|--|-------------|--------------------|
| COMPONENT                   | APPLICATION TEMPERATURE | LAYER THICKNESS | COMPRESSIVE STRENGTH                       | MIXING      | CLEANING OF TOOLS  |
| 2-component<br>1.2kg or 6kg | +5°C to +20°C           | ≤30mm           | 3 Days:<br>~60N/mm <sup>2</sup><br>at +5°C | Parts A + B | Use Sika Thinner C |

**DESCRIPTION:** Low VOC, fast-curing, moisture-tolerant, thixotropic structural epoxy adhesive for structural bonding and concrete repair.

**USES:** Bonds, repairs, reprofiles, fills and seals most construction materials.

**Complies with EN 1504-3 (Class R4) and EN 1504-4.**

### Sikadur®-31 DW Rapid



| <b>2</b>           |                         |                 |                                  |             |                   |
|--------------------|-------------------------|-----------------|----------------------------------|-------------|-------------------|
| COMPONENT          | APPLICATION TEMPERATURE | LAYER THICKNESS | COMPRESSIVE STRENGTH             | MIXING      | CLEANING OF TOOLS |
| 2-component<br>6kg | +5°C to +20°C           | ≤30mm           | 14 days:<br>~43N/mm <sup>2</sup> | Parts A + B | Use Thinner C     |

**DESCRIPTION:** Solvent-free, thixotropic, structural adhesive and repair mortar, specially formulated to meet the requirements for use in contact with drinking water.

**USES:** Adhering concrete, hard natural stone, ceramics, mortar bricks, steel, and as an adhesive for use with Sikadur Combiflex SG. It can be used as a structural adhesive for precast concrete segments including columns, beams, kerbs, edgings, copings, etc. Offers rapid curing concrete repairs to corners and edges; and appropriate for filling and sealing holes, voids, joints, and cracks. Non-sag and suitable for vertical and overhead applications, it is self-priming and offers good abrasion resistance.

**Complies with EN 1504-4 and with Regulation 31(4) a of the UK Water Supply (Water Quality) Regulations, when used as part of a system with Sikadur® SG Combiflex.**

# SIKA FULL RANGE SOLUTIONS FOR CONSTRUCTION:



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### WHO WE ARE

Sika Limited and Sika Ireland Limited are part of the global Sika Group, specialising in the manufacture and supply of chemical based products. Sika has a global leading position in the development and production of systems and products for bonding, sealing, damping, reinforcing, and protecting in the building sector and motor vehicle industry. Sika has subsidiaries in 103 countries, manufactures in over 400 factories, and develops innovative technologies for customers around the world that facilitate the sustainable transformation of the construction and transportation industries. With more than 33,000 employees, the company generated annual sales of CHF 10.5 billion (£9.4 bn) in 2022.

In the UK and Ireland, we provide market-leading solutions for building finishing, concrete, waterproofing, roofing, flooring, refurbishment, sealing & bonding, and industry, and have manufacturing sites in Welwyn Garden City, Preston, Leeds, Wishaw, Redditch, and Dublin with more than 900 employees and a turnover of more than £420 million..

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