



# TECHNICAL INFORMATION

## SMR Hand-Mix

### PRODUCT DATA SHEET

#### DESCRIPTION

SMR Hand-Mix is the ultimate solution for small excavation reinstatements. Added to the spoil following excavating, it transforms the material into a high quality sub-base replacement within minutes increasing efficiency and saving cost.

#### SPECIAL PROPERTIES

- Dries out and stabilises excess moisture for optimum compaction
- Bonds soil particles together increasing the density
- Strengthens the soil by as much as 600%

#### SMR HAND-MIX BENEFITS

- No tipping charges
- No imported material costs
- No grab lorry movements - reduced social disruption and pollution
- Increases crews efficiency, making them self sufficient - providing maximum cost & environment savings.
- Zero failures due to SMR treated spoil provides a fully bonded reinstatement compared to the traditional block and beam effect that foam concrete and type 1 create = no remedial works
- Reduced overall reinstatement time
- Fully compliant material (ARM)
- No requirement to separate hazardous waste from excavation

#### SMR HAND-MIX APPLICATIONS

- Alternative backfill material for small utility reinstatements up to 1m<sup>2</sup>.
- To Stabilise utility poles.
- Subbase for pavement repairs.
- Fences, retaining walls, sign posts.
- Landscaping
- D.I.Y & Builders Market
  - Patio & Driveway Foundations
  - Shed Bases
  - Fence Posts
  - Gates

## UTILITIES



#### PERMITTED USES, COMPLIANCE & APPROVALS

**SMR Handmix is fully compliant with Appendix A9 Approval**

- a) At any position within the surround to apparatus and/or backfill as the entire layer or combined with any other permitted backfill materials, in any proportion, within any reinstatement.
- b) As a sub-base within any reinstatement.
- c) As a combined sub-base and base within any reinstatement in Road Types 1, 2, 3 & 4 and as base within any reinstatement in Road Types 3 & 4
- d) As a combined sub-base and binder course, within any reinstatement in footways, footpaths and cycle tracks.

#### COVERAGE

Approximately 25kg per 1 tonne normal spoil or 50kg per 1 tonne of wet spoil.

#### PREPERATION

For best results excavate the site & assess the spoil to see if its dry, normal or wet (clay).

#### APPLICATION & INSTRUCTIONS

- Once the preparation has been done and the spoil has been excavated and assessed the SMR hand-mix needs to be mixed.
- Next a drop test is needed, followed by sprinkling SMR Handmix around the walls of the excavated area.
- Then the backfilling needs to take place which is followed by compaction as per SROH.
- Now the excavated area has been backfilled a Clegg test needs to be done to achieve the required strength as per guidelines.
- This application can be carried out by a single crew. Cold lay material can be used in conjunction with our material, this method enables a Utility Crew to excavate, repair, backfill, reinstate and complete the job, typically in less than 2-3 hours.



## CLEAN UP

Cleaning of tools and equipment should be carried out as soon as possible after application.

## PRODUCT RANGE, PACKAGING & STORAGE

SMR Hand-Mix is available in a range of convenient pack sizes including Small, Medium & Large buckets as well as small bags.

Shelf life is 12 months, subject to temperature and correct storage conditions.

Individual units of SMR Handmix should be stored in sealed original packaging in a cool, dry location. Avoid exposure to water, frost or heat. Part used tubs of SMR Handmix should always be fully re-sealed after use and the remaining material in the tub should be used within 3 months of the tub originally being opened

*Note: multiple pallets of SMR Handmix should never be stacked on top of one another.*



## QUALITY CONTROL

All SMRUK Products are factory blended, tested and packaged to quality control procedure in accordance with Quality Management Certificate ISO 9001 & Environmental Management Certificate ISO 14001.

## HEALTH AND SAFETY

Health and safety advice, which must be followed, can be found on the Material Safety Data Sheet. Users are advised to wear correct PPE clothing at all times.

## INFORMATION, PRICES & ORDERING

For technical information, pricing and to place orders please contact our Sales office on the following:

Telephone: 01252 710772

Email: [info@smruk.com](mailto:info@smruk.com)

Visit our website: [Smruk.com](http://Smruk.com)

## Manufacturing Facility

Severn Bridge Industrial Estate, Units 1 0a Norman Way, Portskewett, Caldicot NP26 5PT

## Head Office

SMR UK, Hendy Industrial Estate, Swansea, SA4 0XP



**Constructionline**  
Gold Member

