



# PRODUCT DATA SHEETS

Ready-mixed concrete (OPC 42.5 · SRC 42.5) · Black gabbro · White limestone · River sand  
· Armour rock

# READY-MIX CONCRETE, OPC 42.5

Ready-mixed concrete made with ordinary Portland cement class 42.5, batched to the approved mix design and delivered in truck mixers.

## TECHNICAL PROPERTIES

|                     |                                            |
|---------------------|--------------------------------------------|
| Cement              | OPC (CEM I) 42.5                           |
| Strength classes    | C10 to C60                                 |
| Aggregates          | Gabbro or limestone, 10–20 mm              |
| Slump classes       | S1 to S5                                   |
| Max. water/cement   | 0.35–0.70 by grade                         |
| Temperature control | Ice + retarder, measured on delivery       |
| Mixing water        | pH tested, BS EN 1008                      |
| Testing             | Slump, temperature, cubes at 7 and 28 days |

## APPLICATIONS

- Foundations, slabs, beams and columns
- Industrial floors and hardstands
- Tank bases and raft foundations

## STANDARDS

BS EN 206 / BS 8500, BS EN 197-1, BS EN 12350 / 12390

## SUPPLY

Berbera and Burao · delivered or ex-works

# SULPHATE-RESISTING CONCRETE, SRC 42.5

Ready-mixed concrete made with sulphate-resisting cement class 42.5 for structures exposed to sulphates, aggressive ground and seawater.

## TECHNICAL PROPERTIES

|                     |                                      |
|---------------------|--------------------------------------|
| Cement              | SRC 42.5                             |
| Strength classes    | C30 to C50                           |
| Exposure            | XA1–XA3, XS1–XS3                     |
| Max. water/cement   | 0.45–0.50                            |
| Min. cement content | 320–360 kg/m <sup>3</sup>            |
| Slump classes       | S3 to S4, pumpable                   |
| Temperature control | Ice + retarder, measured on delivery |
| Mixing water        | pH tested, BS EN 1008                |

## APPLICATIONS

- Foundations in sulphate-bearing soil
- Quay walls, jetties and splash zones
- Fuel terminals, tanks and effluent structures

## STANDARDS

BS EN 206 / BS 8500, BS EN 197-1

## SUPPLY

Berbera and Burao · delivered or ex-works



# WHITE LIMESTONE AGGREGATE

Crushed white limestone, graded for general concrete, blocks and base course.

## TECHNICAL PROPERTIES

|                        |                            |
|------------------------|----------------------------|
| Sizes                  | 0–5, 6–12, 13–20, 20–38 mm |
| Density (ASTM C127)    | 2.72 Mg/m³                 |
| Water absorption       | 1.03 %                     |
| Los Angeles (BS 812)   | 23                         |
| Alkali-silica reaction | Innocuous                  |

## APPLICATIONS

- General-purpose concrete
- Concrete blocks and precast
- Sub-base and fill

## STANDARDS

BS EN 12620, BS 812, ASTM C127

## SUPPLY

Berbera and Burao · delivered or ex-works



# ARMOUR ROCK

Uncrushed quarry-run rock of high density for marine and underwater works.

## TECHNICAL PROPERTIES

|             |                   |
|-------------|-------------------|
| Unit weight | 750–1,250 kg each |
| Diameter    | 660–780 mm        |
| Density     | High              |

## APPLICATIONS

- Breakwaters and revetments
- Rock underlayers
- Filter layers

## STANDARDS

BS EN 13383

## SUPPLY

Berbera and Burao · delivered or ex-works