

Build Faster, Stronger & Smarter with

Flexible Concrete

Blankets (FCB)

Unyielding Strength, *Terrain-Ready*, and Easy Installation

Revolutionize your construction projects with Heucon Crete's durable, terrain-ready, and eco-friendly solution.
No heavy machinery required!

Construction *Convenience*

The product can be installed manually or with crane assistance, requiring a team of two or three people, depending on the project's needs.



Measurements:

Customize FCB to meet your project's exact specifications.



Placement:

Opt for Manual installation or crane assistance based on your needs.



Secure:

Connect overlapping sections for a seamless finish and secure with regular tools.



Hydrate:

Activate the hardening process by adding water - ready to set in no time.

This simplified process minimizes labor costs and speeds up your construction timeline.

Why Choose **Heucon Crete**

Our Flexible Concrete Blankets are designed to support infrastructure growth across diverse landscapes.

- ✓ Corrosion & UV Resistant: Ideal for long-lasting outdoor applications.
- ✓ Zero Maintenance: Once installed, FCB requires minimal to no ongoing maintenance.
- ✓ Water & Fire-Resistant: Suitable for harsh conditions, ensuring resilience in diverse environments.
- ✓ Skill requirements: Easy to use and necessary tools are readily available.

Applications:

- ✓ Retaining Walls,
- ✓ Embankments,
- ✓ Infrastructure,
- ✓ Cuttings,
- ✓ Dams and Channels, and
- ✓ other critical construction projects.

50 years

Surpasses C30 concrete strength when fully cured and has a lifespan of up to 50-years.

50% Less Cement

50% less cement usage, low carbon footprint, and non-toxic materials.

1000m2 per day

Small team of 4 trained installers can install up to 1000m2 per day.

10x Faster Installation

10x faster installation than traditional methods saves time on every project.

Built for Long-Lasting Performance

With years of R&D and advanced engineering, Heucon Crete Flexible Concrete Blankets is your go-to solution for reliable, high-performance concrete applications.

- **High Strength & Durability:** Outperforms traditional cement, ensuring resistance to aging, corrosion, freeze-thaw cycles, and extreme weather.
- **Sustainable Design:** Uses significantly less cement, reducing environmental impact without sacrificing quality.
- **Rapid Installation:** No heavy machinery required, with manual or crane-assisted options available.

Proven Quality & Durability

Heucon Crete Flexible Concrete Blankets has been rigorously tested by independent organizations and in real-world projects, proving its strength, longevity, and adaptability in various terrains and climates.

What Sets FCB Apart?

- **Unique Fiber Blend:** Engineered to deliver unmatched durability.
- **Consistent Solidification:** Unlike similar products offered, FCB provides rapid solidification, even hardening and remains firm without being flexible or uneven.

Certifications & Standards:

Certified by leading quality assurance organizations, including CTC and SGS, Heucon Crete's FCB meets the highest international standards.

The industry leader in high-performance, sustainable concrete solutions.

A High-Performance Solution for Modern Construction

Unlock infinite design possibilities, from organic landscapes to dynamic sculptures, with FCB's exceptional malleability.



Aesthetic Enhancement

Available in a range of custom dyes, FCB's blend seamlessly with your landscape or create bold accent features.



Erosion Control & Landscape Stabilization

Combat soil erosion on slopes, banks, and shorelines.



Living Blanket

Integrate vegetated roofs, green walls, or living sculptures with FCB's plant-friendly design and capillary action.



High Temperature Resilience

Withstand extreme temperatures and harsh environments, making FCB's ideal for diverse applications like industrial linings and high-temperature infrastructure.

Versatile Solutions for Every Industry

Flexible Concrete Blankets are engineered to meet the demands of diverse projects across multiple industries. From infrastructure and environmental protection to disaster recovery and urban development, their adaptability makes them the ideal choice for countless applications.

Infrastructure and Civil Engineering

- Slope stabilization and embankment reinforcement
- Retaining walls and soil erosion control
- Canal lining and watercourse protection
- Drainage ditches and culverts
- Spillway and levee reinforcement

Military and Emergency Use

- Rapidly deployable barriers and bunkers
- Emergency road repairs and temporary pathways
- Flood defense and water diversion structures

Agricultural Applications

- Irrigation canal linings
- Farm roads and access pathways
- Containment areas for agricultural runoff

Transport Infrastructure

- Railway track foundations
- Airport runways and taxiway reinforcements
- Bridge abutment and slope protection

Our commitment to reducing the environmental footprint is evident in every FCB product, designed with 90% less cement and a lower carbon footprint than traditional methods.

Industrial Applications

- Industrial flooring and workspace protection
- Storage tank bases and containment areas
- Protective layers for pipelines and cables
- Temporary or permanent access roads

Environmental Projects

- Coastal erosion and seawall reinforcement
- Wetland restoration and protection
- Reservoir and dam repair
- Mine site rehabilitation

Urban Development and Landscaping

- Pathways, walkways, and driveways
- Parking lots and recreational courts
- Foundations for urban furniture or small structures
- Green roof support layers

Disaster Recovery and Relief

- Stabilization of landslide-affected areas
- Emergency infrastructure repairs post-earthquake or flood
- Rapidly deployable solutions for disaster-prone zones

Hydraulic Engineering

- Riverbanks and streambed reinforcement
- Stormwater management systems
- Lining for aqueducts and irrigation systems

ABOUT US

Product Line:

Regular size: (width) 1.2m, 2m, 2.4m, 3m
Customizable to any length

Product Variants:

NS-Grade (Early Strength)
MS-Grade (Early Strength)
HS-Grade (Early Strength)
MRS-Grade (Early Strength)

Thickness Options:

6mm
10mm
15mm
20mm
30mm

Heucon Crete (PTY) LTD is a leader in material technology, committed to innovation in sustainable construction solutions. With a dedicated team and state-of-the-art facilities, we aim to redefine construction standards and deliver excellence in every project.

Contact Us:

Ready to start building faster, smarter, and more sustainably?
Reach out to our team today for a quote or to learn more about Heucon Crete's Flexible Concrete Blankets.

We can also supply and deliver FCB in



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Get it done right the first time!