



INDIA'S FIRST BREATHABLE FRACTURE CASTING SYSTEM



Revolutionizing Fracture Care with Comfort,
Hygiene & Strength

- ✓ Advanced Ventilated Design
- ✓ Lightweight & Durable
- ✓ Patient-Friendly Immobilization

A smarter alternative to conventional casting

VENTICAST™

Redefining Fracture Care with Breathable Innovation

Introduction & Concept

A New Era in Fracture Immobilization

Traditional casts are often associated with discomfort, sweating, odor, and hygiene challenges. VENTICAST™ introduces a breakthrough approach by combining structural strength with superior breathability.

Designed for modern orthopaedic practice, it enhances patient comfort without compromising immobilization.



What is VENTICAST™?

VENTICAST™ is a sock-type orthopedic cast made of polymer material woven into a tubular sleeve and coated with polyurethane. It is designed for temporary immobilisation and support in selected orthopaedic conditions under professional supervision.

Why VENTICAST™?

- Minimizes sweating and odor
- Improves hygiene during immobilization
- Enhances patient compliance and satisfaction
- Allows better skin condition monitoring

Features, Benefits & Clinical Use

Key Features

High Strength Provides robust immobilization ensuring fracture stability

Lightweight Enhances patient comfort without adding unnecessary bulk

Fast Curing Sets within 3–5 minutes and achieves functional strength in 20 minutes

Breathable Design Allows excellent air permeability, reducing itching and odor

X-Ray Transparency Enables clear radiographic monitoring without removal

Easy to Shape Adapts easily to anatomical contours, especially joints

Easy to Operate Simple sleeve-based application saves time and effort

Safety & Comfort Minimal heat generation and low shrinkage prevent skin discomfort

Clinical Benefits

Better patient comfort and hygiene

Reduced skin complications

Faster and easier application for clinicians Improved patient experience and compliance

Ideal For

Stable fractures

Undisplaced fractures

Post-reduction immobilisation (stable cases) Post-operative support

Soft tissue injuries requiring immobilisation

Contraindications

Unstable or displaced fractures

Polytrauma patients

Conditions requiring rigid immobilisation

Poor skin integrity

Known hypersensitivity to polyurethane or casting materials



Application, Safety & Value

Application Steps

1. Select appropriate sleeve size and apply inner padding
2. Wear gloves and remove sleeve from sealed pack
3. Immerse in water (20–30°C) for 3–5 seconds
4. Gently squeeze and remove excess water
5. Apply from distal to proximal end over padded limb
6. Mold to anatomical contours

Initial setting: 3–5 minutes; full strength: ~20 minutes

Precautions & Warnings

For use by trained healthcare professionals only

Single-use device; do not reuse

Avoid excessive tightness to prevent circulatory compromise

Do not apply directly over open wounds without dressing

Not a replacement for rigid casts in unstable fractures

Discontinue if pain, swelling, numbness, or discoloration occurs

Removal

To be performed by trained personnel

Use plaster scissors or electric cast saw

Storage Instructions

Store in a cool, dry place

Protect from moisture and sunlight

Keep in original packaging until use

Do not use if packaging is damaged



#IndiasFirstBreathableCaste

Why Doctors Prefer VENTICAST™

Enhances Patient Satisfaction

VENTICAST™ is designed with patient comfort at its core. Its breathable, lightweight structure minimizes irritation, reduces sweating, and allows better air circulation. Patients experience less discomfort during recovery, leading to a more positive overall treatment journey and higher satisfaction rates.

Reduces Follow-Up Complaints

Traditional casts often lead to issues such as itching, odor, skin maceration, and discomfort, resulting in frequent revisits. VENTICAST™ significantly reduces these common problems, allowing doctors to focus on treatment outcomes rather than managing avoidable complaints.

Differentiates Clinical Practice

Adopting VENTICAST™ positions your practice as modern, patient-centric, and innovation-driven. It reflects a commitment to advanced care solutions, helping you stand out in a competitive healthcare environment and build stronger patient trust.

Combines Innovation with Practicality

VENTICAST™ integrates cutting-edge design with real-world usability. It is easy to apply, durable, and clinically effective, ensuring that doctors do not have to compromise between innovation and day-to-day practicality.

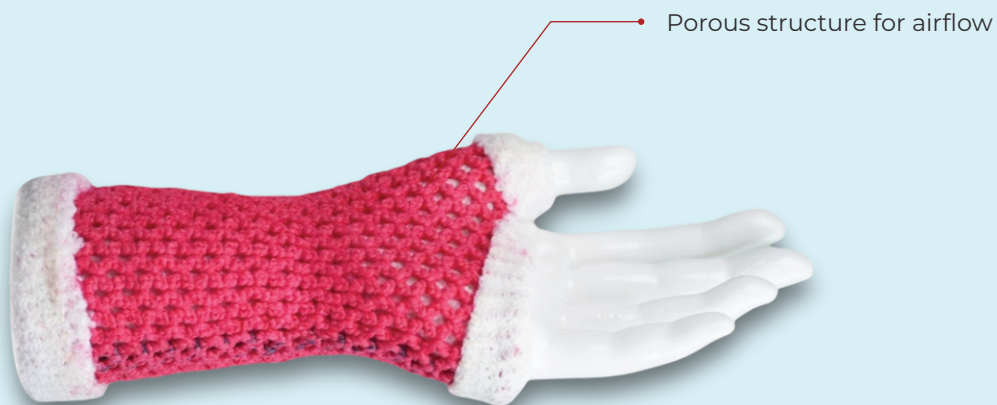




The Problem with Conventional Casts

Traditional plaster and fiberglass casts often lead to:

- ✗ Excessive sweating & discomfort
- ✗ Foul odor & poor hygiene
- ✗ Skin maceration & infections
- ✗ Heaviness & patient dissatisfaction
- ✗ Difficulty in prolonged wear



The VENTICAST™ Solution

VENTICAST™ is designed to address these limitations through:

- ✓ Breathable open-structure
- ✓ design Improved air circulation
- ✓ Enhanced patient comfort
- ✓ Strong and stable immobilization

Comparison with Traditional Casts

Feature	Traditional Casts	VENTICAST™
Breathability	Poor	Excellent
Weight	Heavy	Lightweight
Hygiene	Low	High
Comfort	Limited	Superior
Application	Moderate	Easy
Patient Satisfaction	Moderate	High

Product Details

Type: Orthopedic Cast – Socket Type

Sterility: Non-sterile

Usage: Single Use Only

Material: Polymer sleeve with polyurethane coating

Message from the Founder

At Mobilis Rehabion Healthcare, we are driven by a simple goal — to improve patient care through practical innovation.

VENTICAST™ was created to address the common challenges of traditional casts by enhancing comfort, hygiene, and overall patient experience, while supporting doctors with a reliable and efficient solution.

We remain committed to developing products that make a meaningful difference in modern healthcare.



Nindiya Mehra

Nindiya Mehra

Director & CEO

Mobilis Rehabion Healthcare Private Limited

about us

Mobilis Rehabion Healthcare Pvt Ltd

Committed to bringing innovative orthopedic solutions to India.

Upgrade Your Casting Practice Today With

VENTICAST™

Breath better, Heal Better

Experience the future of fracture immobilization.

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