KANTA

5. Special Products

5.1 Long Length Rubber Sheets / Blankets



Vulcanised rubber sheeting supplied in long-length rolls for flooring, lining and general-purpose covering applications, available across a range of thicknesses, widths and durometer grades to suit the intended duty.

Applicable Standard: *Manufactured to customer specification, IS:3400 test methods*

Continuous vulcanized rubber sheeting manufactured in extended lengths for applications such as pond and canal lining, tank lining, conveyor covers, and general waterproofing membranes, tested as per IS:3400.

Parameter	Specification / Typical Range
Roll Dimension	Up to 1 m width x 15 m length
Thickness Range	0.5 mm to 100 mm (length restricted at higher thickness)
Polymer	Natural Rubber (NR) or Synthetic (SBR / CR / NBR / EPDM) as per customer requirement
Hardness	40-90 Shore A (customizable)
Surface Finish	Smooth / textured / diamond as required

Key Features

- Custom thickness and polymer selection
- Long, seam-minimized rolls

Typical Applications

- Pond / canal lining
- Tank lining
- Conveyor covers
- Waterproofing membranes

6. Special Hoses for Critical Applications



Flanged rubber hose assemblies engineered for suction and discharge duty in demanding industrial, dredging and marine service — built with reinforced carcass construction to withstand sustained pressure, abrasive media and continuous flexing.

- High resistance to pressure, temperature and conveyed media
- Flanged end-fittings to suit direct pipeline connection
- Supplied to national and international hose standards and to individual customer specification

6.1 Petroleum Products Suction & Discharge Hose

Applicable Standard: *IS:6994 / OCIMF Guide to Manufacturing & Purchasing Hoses (as applicable)*

Flexible rubber hose reinforced with synthetic textile plies and steel wire helix, designed for suction and discharge of petroleum products including fuel and crude oil in marine and industrial transfer applications.

Parameter	Specification / Typical Range
Tube	NBR, oil resistant
Reinforcement	Synthetic cord plies with steel helix wire
Cover	NBR / CR, weather and oil resistant
Working Pressure	Per size, as per project requirement

Key Features	Typical Applications
• Oil and fuel resistant construction • Kink resistant with steel helix	• Marine and terminal fuel transfer, industrial suction/discharge

6.2 Ship to Ship Fuel Transfer Hose

Applicable Standard: *OCIMF Guide to Manufacturing & Purchasing Hoses*

Heavy duty hose (floating type available) designed for ship-to-ship (STS) transfer of fuel and petroleum products at sea, manufactured in line with OCIMF guidelines.

Parameter	Specification / Typical Range
Tube	NBR, oil resistant
Reinforcement	High tensile synthetic cord with steel wire helix
Buoyancy	Floating type available
Standard	OCIMF guidelines

Key Features	Typical Applications
• Suitable for offshore STS transfer operations • High burst safety margin	• Ship-to-ship fuel and petroleum transfer

6.3 Water and Mud Slurry Suction & Discharge Hose

Applicable Standard: *Manufactured to project / customer specification*

Abrasion resistant hose for suction and discharge of water, mud, and slurry in dredging and construction applications.

Parameter	Specification / Typical Range
Tube	Natural rubber blend, abrasion resistant
Reinforcement	High tensile textile plies with steel helix wire
Cover	Abrasion and weather resistant rubber

Key Features	Typical Applications
• High abrasion resistance for solids-laden slurry • Kink resistant	• Dredging • Slurry and mud transfer at construction sites •

6.4 Sea Water Suction & Discharge Hose

Applicable Standard: *Manufactured to project / customer specification*

Hose for marine sea water intake and discharge applications, resistant to saline environment and marine growth.

Parameter	Specification / Typical Range
Tube	NR / EPDM, seawater resistant
Reinforcement	Synthetic cord with steel helix wire
Cover	UV and ozone resistant

Key Features	Typical Applications
• Saline and marine-growth resistant • Durable outdoor / marine exposure rating	• Marine vessel and terminal sea water intake / discharge

6.5 Cement / Fly Ash Transfer Hose

Applicable Standard: *Manufactured to project / customer specification*

Abrasion resistant hose for pneumatic conveying of cement, fly ash, and other dry bulk powder materials.

Parameter	Specification / Typical Range
Tube	NR, abrasion resistant (antistatic option available)
Reinforcement	High tensile synthetic cord / steel helix wire
Working Pressure	Per size, as per project requirement

Key Features	Typical Applications
• Antistatic option for dry bulk conveying • High abrasion resistance	• Pneumatic conveying of cement, fly ash, and dry powders

6.6 Concrete Mixer Discharge Hose

Applicable Standard: *Manufactured to project / customer specification*

Heavy duty abrasion-resistant hose fitted to concrete transit mixer chutes for discharge of ready-mix concrete.

Parameter	Specification / Typical Range
Tube	NR, high abrasion resistant
Reinforcement	Multiple textile plies, steel helix wire as required
Cover	Weather and abrasion resistant

Key Features	Typical Applications
• Built for continuous abrasive discharge duty • Flexible for chute articulation	• Ready-mix concrete transit mixer discharge chutes

6.7 Flexible Exhaust Hose for Industrial Applications

Applicable Standard: *Manufactured to project / customer specification*

High temperature resistant flexible hose for conveying hot exhaust gases and fumes from industrial equipment and engines.

Parameter	Specification / Typical Range
Material	Silicone / EPDM impregnated fabric or stainless steel wire reinforced
Temperature Range	Up to 250°C - 550°C (grade dependent)

Key Features	Typical Applications
• High temperature resistance • Flexible routing around industrial equipment	• Industrial exhaust and fume extraction systems