GEO TEXTILES / IN FORCE

Quality Control Order for geotextiles, geomembranes, geobags, geogrids and geocells

The Geo Textiles (Quality Control) Order, 2022 requires the BIS Standard Mark on 19 entries, including geomembranes, geobags, geogrids and geocells.

THE GEO TEXTILES (Quality Control) Order, 2022 was issued by the Ministry of Textiles as S.O. 1706(E), dated April 10, 2023. Its Schedule has 19 entries, each against an Indian Standard: laminated HDPE woven, PVC and HDPE geomembranes and a reinforced HDPE membrane; needle punched non-woven and polypropylene multifilament woven geobags; jute geotextiles; open weave coir bhoovastra; geotextiles for sub-grade separation, subsurface drainage, sub-grade stabilisation, protection and permanent erosion control; geogrids; polymeric strips or geostrips; and geocells.

STANDARDS 19

IS 15351 : 2015

Geotextiles - Laminated High Density Polyethylene (HDPE) Woven Geomembrane for Water Proof Lining - Specification

IS 15909 : 2020

Poly Vinyl Chloride (PVC) Geomembranes for Lining – Specification

IS 16653 : 2017

Geosynthetics - Needle punched non-woven geobags for coastal and waterways protection - Specification

IS 16654: 2017

Geosynthetics - Polypropylene Multifilament woven geobags for coastal and waterways protection - Specification

IS 14715 (Part 1): 2016

Jute Geotextiles Part 1 Strengthening of Sub-Grade in Roads - Specification

IS 14715 (Part 2): 2016

Jute Geotextiles Part 2 Control of Bank Erosion in Rivers and Waterways - Specification

KEY FACTS

ORDER

Geo Textiles (Quality Control) Order, 2022

CAME INTO FORCE

January 1, 2024, under the Ministry of Textiles order No. 6/1/2021-R&D (Pt.) dated October 6, 2023; as issued, the order was to come into force 180 days after its publication, and S.O. 2331(E) then set October 7, 2023

WHERE IT STANDS

In force

REFERENCES

No. 6/1/2021-R&D (Pt.)	In force
S.O. 2331(E)	Amended
S.O. 1706(E)	In force

Quality Control Order for geotextiles, geomembranes, geobags, geogrids and geocells

Geo Textiles (Quality Control) Order, 2022 · Ministry of Textiles

The Geo Textiles (Quality Control) Order, 2022 was issued by the Ministry of Textiles as S.O. 1706(E), dated April 10, 2023. Its Schedule has 19 entries, each against an Indian Standard: laminated HDPE woven, PVC and HDPE geomembranes and a reinforced HDPE membrane; needle punched non-woven and polypropylene multifilament woven geobags; jute geotextiles; open weave coir bhoovastra; geotextiles for sub-grade separation, subsurface drainage, sub-grade stabilisation, protection and permanent erosion control; geogrids; polymeric strips or geostrips; and geocells.

The goods must conform to the corresponding standard and bear the Standard Mark under a licence from the Bureau of Indian Standards, in accordance with Scheme-I of Schedule-II to the Bureau of Indian Standards (Conformity Assessment) Regulations, 2018. Goods meant for export are excluded. The Bureau is the certifying and enforcing authority, and contraventions are punishable under the Bureau of Indian Standards Act, 2016.

As issued, the order was to come into force 180 days after publication. S.O. 2331(E) of May 24, 2023 set October 7, 2023. A Ministry of Textiles order dated October 6, 2023 (No. 6/1/2021-R&D (Pt.)) then stated that the order shall come into force from January 1, 2024, the latest date in this record.

Order	Geo Textiles (Quality Control) Order, 2022
Issued by	Ministry of Textiles
Product group	Geo Textiles
Where it stands	In force
What it requires	The goods in the Schedule's 19 entries must conform to the corresponding Indian Standard and bear the Standard Mark under a licence from the Bureau of Indian Standards. The latest version of each Indian Standard published by the Bureau applies from the date of its publication.
Certification scheme	Scheme-I of Schedule-II to the Bureau of Indian Standards (Conformity Assessment) Regulations, 2018
Came into force	January 1, 2024, under the Ministry of Textiles order No. 6/1/2021-R&D (Pt.) dated October 6, 2023; as issued, the order was to come into force 180 days after its publication, and S.O. 2331(E) then set October 7, 2023

Exemptions	Goods or article meant for export
Enforcement	The Bureau of Indian Standards is the certifying and enforcing authority. Any person who contravenes the order is punishable in accordance with the provisions of the Bureau of Indian Standards Act, 2016.

The products and their standards

Product	Indian Standard	Title of the standard
Laminated High Density Polyethylene (HDPE) Woven Geomembrane for Water Proof Lining	IS 15351 : 2015	Geotextiles - Laminated High Density Polyethylene (HDPE) Woven Geomembrane for Water Proof Lining - Specification
Poly Vinyl Chloride (PVC) Geomembranes	IS 15909 : 2020	Poly Vinyl Chloride (PVC) Geomembranes for Lining – Specification
Needle punched non-woven geobags	IS 16653 : 2017	Geosynthetics - Needle punched non-woven geobags for coastal and waterways protection - Specification
Polypropylene Multifilament woven geobags	IS 16654: 2017	Geosynthetics - Polypropylene Multifilament woven geobags for coastal and waterways protection - Specification
Jute Geotextiles	IS 14715 (Part 1): 2016	Jute Geotextiles Part 1 Strengthening of Sub-Grade in Roads - Specification
Jute Geotextiles	IS 14715 (Part 2): 2016	Jute Geotextiles Part 2 Control of Bank Erosion in Rivers and Waterways - Specification
Open Weave Coir Bhoovastra	IS 15869 : 2020	Textiles - Open weave coir bhoovastra - Specification
Geotextiles used in sub-grade separation in pavement structures	IS 16391 : 2015	Geosynthetics - Geotextiles Used in Sub-Grade Separation in Pavement Structures – Specification
Geotextiles used in Subsurface Drainage Application	IS 16393 : 2015	Geosynthetics - Geotextiles Used in Subsurface Drainage Application - Specification
Geotextiles used in Sub-grade Stabilisation in pavement structures	IS 16362 : 2020	Geosynthetics - Geotextiles Used in Subgrade Stabilisation in Pavement structures - specification
High Density Polyethylene (HDPE) Geomembranes for lining	IS 16352 : 2020	Geosynthetics - High Density Polyethylene (HDPE) Geomembranes for Lining – Specification
Geotextiles used as protection (or cushioning) materials	IS 16090:2013	Geosynthetics Geo-textiles used as protection (or cushioning) materials - Specification

Geotextiles for permanent erosion control in hard armor systems	IS 16392:2015	Geosynthetics - Geotextiles for permanent erosion control in hard armor systems - Specification
Geogrids for flexible pavements	IS 17371:2020	Geosynthetics - Geogrids for flexible pavements - Specification
Polymeric strip or geostrip used as soil reinforcement in retaining structures	IS 17372:2020	Geosynthetics - Polymeric strip or geostrip used as soil reinforcement in retaining structures - Specification
Geogrids used in reinforced soil retaining structures	IS 17373:2020	Geosynthetics - Geogrids used in reinforced soil retaining structures
Reinforced HDPE membrane for effluents and chemical resistance lining	IS 17374:2020	Geosynthetics - Reinforced HDPE membrane for effluents and chemical resistance lining - Specification
Geocells	IS 17483 (Part 1): 2020	Geosynthetics - Geocells - Specification Part 1 Load Bearing Application
Geocells	IS 17483 (Part 2): 2020	Geosynthetics - Geocells - Specification Part 2 Slope Erosion Protection Application

Every notification on this order

Date	Notification	Status	What it did
October 6, 2023	No. 6/1/2021-R&D (Pt.) PDF, 116 KB	In force	A Ministry of Textiles order stating that, in pursuance of S.O. 1706(E) and the amendment S.O. 2331(E), the Geo Textiles (Quality Control) Order, 2022 shall come into force from January 1, 2024.
May 26, 2023	S.O. 2331(E) PDF, 1.3 MB · Gazette	Amended	Dated May 24, 2023, it substituted paragraph 1(2) of the order so that it comes into force on October 7, 2023.
April 12, 2023	S.O. 1706(E) PDF, 1.1 MB · Gazette	In force	Dated April 10, 2023, it issued the Geo Textiles (Quality Control) Order, 2022, whose Schedule has 19 entries of goods against their Indian Standards, to come into force 180 days after publication.

Each notification is linked, as a PDF, in the list above.

Where a notification shows "Gazette", that links the Gazette of India's copy; ours was checked against it on October 20, 2026.

IndusDesk

hello@indusdesk.com · +91 11 4141 3939

9th Floor, Hemkunt House, Rajendra Place, New Delhi, Delhi 110008, India

Read online: indusdesk.com/qco/tracker/geotextiles-geomembranes-geobags-geogrids-and-geocells-so-1706/