GEO SOURCE
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TECHNICAL DATA SHEET

GEO BAG
INSTALLATION PROCEDURE

1. The entire site is mobilized with the required manpower, tools and other miscellaneous consumable and support items & proper Godown / Storage area with Security is created.
2. The entire site is then cleared of stones, wood, plant, vegetation, dirt or any alien material either manually or mechanically by JCB.
3. Then Earth Work is done using excavators and backhoe loader and the entire site is then dressed for required height and slope as per design.
4. Geo Bags are then supplied to site via trucks from near by Government Godown and stored at site Godown. Geo Bags arrive at site in bundle form.
5. From site Godown daily required Geo Bag bundles are issued to site and carried manually by labor to site work.
6. The installation process starts by first installing and anchoring a Geo Textile Fabric (Woven / Non Woven) from top of the embankment up to the Apron. The Geo Textile material works as a Filter medium and helps retain the Back fill & Embankment soil.
7. The Geo Bag bundles are opened and Geo Bags then are filled with sand and weighed for required fill.
8. Preferably dry Sand is procured from around the site or from river bed or is brought from some other location via dumper / tractor.
9. A stitcher then stitches the Geo Bags from the top mouth / fill side area using proper yarn and closing machine.
10. Once the Geo Bags are stitched, they are ready for laying on the Embankment or in the Apron.
11. Next the Geo Bags are properly layed in the Apron area as per design. By this the embankment is protected from scouring.
12. Once the Apron is protected the Geo Bags are then layed on the on the Embankment for protection against Erosion. The number of Geo Bags to be layed per Sq. Mtr. of slope is done strictly in accordance to the design given.
13. Steps # (5) to (12) are repeated throughout the entire length of the site.
14. Proper records are maintained at site for usage of Geo Bags & Geo Textiles.
15. All records are regularly submitted to the necessary Government office / Client office.
16. Government officials / Client carry out regular inspection at site along with Contractor Engineer / Supervisor at site.

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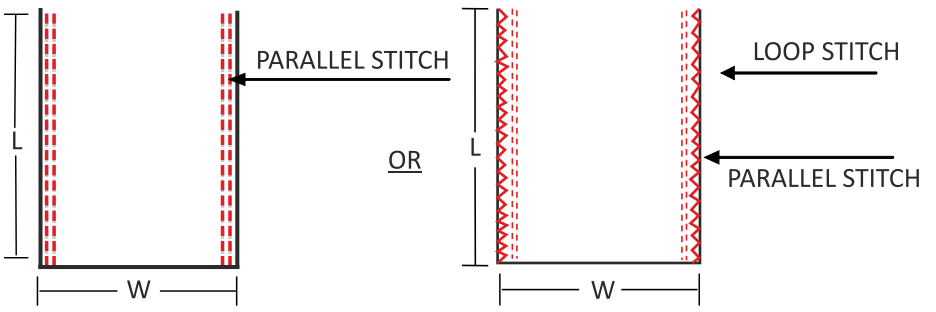
TECHNICAL DATA SHEET

GEO BAG
INSTALLATION PROCEDURE

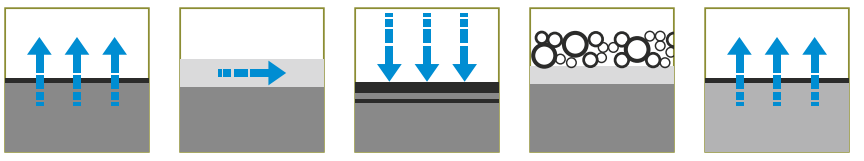
GS Geo Textile Bags are made from high quality Needle Punch Non Woven Geo Textile Fabrics. Manufactured under strict quality control system GS Geo Bags are made to suit any design needs and are made as per customer needs, size and delivery time. GS Geo Bags uses all 1st grade raw materials.

DIMENSION (L X W)	FIBRE	GSM	TENSILE STRENGTH MD (KN)	TENSILE STRENGTH XMD (KN)	STITCHING	YARN	YARN BREAKING STRENGTH (KN)
1.0 x 0.7	PP, PET	300/400/600	9 - 25	9 - 25	Parallel/Loop	2000-2500D PP MF	18
1.03 x 0.71	PP, PET	300/400/600	9 - 25	9 - 25	Parallel/Loop	2000-2500D PP MF	18
1.0 x 0.75	PP, PET	300/400/600	9 - 25	9 - 25	Parallel/Loop	2000-2500D PP MF	18
1.25 x 1.0	PP, PET	400/600	9 - 25	9 - 25	Parallel/Loop	2500-5000D PP MF	18
1.7 x 1.25	PP, PET	400/600	9 - 25	9 - 25	Parallel/Loop	2500-5000D PP MF	18
2.0 x 1.5	PP, PET	>600	9 - 25	9 - 25	Parallel/Loop	2500-5000D PP MF	18

* All dimensions are lay flat / out to out. * Packaging shall be done in bundles of 25 / 50 / 100 bags per bundle
* Above mentioned technical values have a tolerance of ± 5%







We can do OEM packaging and private labeling for bulk orders

- Above values are obtaining in our laboratory and are MARV Values (67.5 % Level of Confidence)
- Tolerance: Physical & Mechanical: - 10 % & Hydraulic: - 30%
- There may be variation in above values due to various factors when tested at other laboratory.
- The above values may also vary if the fabric is converted in to any value added product or used in combination with other products.
- The values may also change due to transportation damages & improper storage and handling at site.
- Client shall ensure that Storage is strictly done as per ASTM standard.
- The values are not intended as warranty / guarantee and Geo Source assumes no liability in connection with this information.

ISO 9001 : 2015

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