

ALYAF XS20

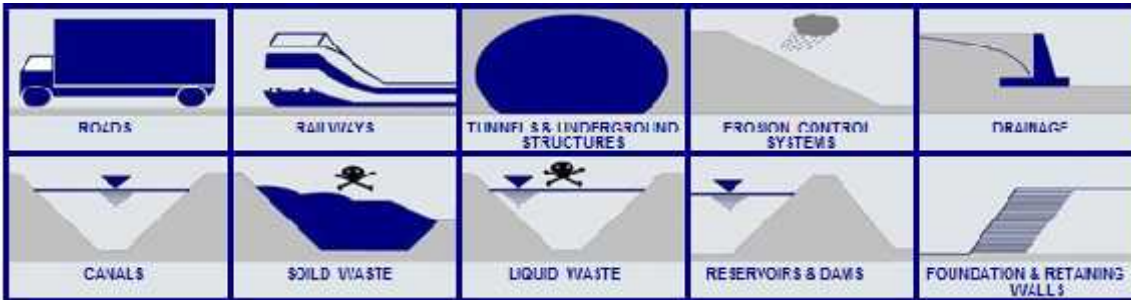
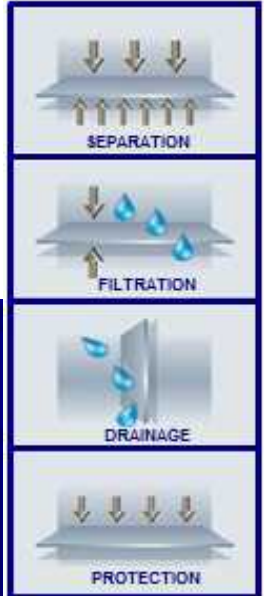
Product Data Sheet -

XS Range

ALYAF XS20 is a nonwoven geotextile made from staple fibers mechanically bonded by a needle punching and thermally bonded process to produce a dimensionally stable network. The fibers used are 100% polypropylene ultra-violet stabilized. ALYAF geotextiles are manufactured, inspected and tested according to our Integrated Management System procedures that have been assessed and certified in accordance with ISO 9001:2015, ISO 14001:2015 & ISO 45001:2018.

APPLICATION AREAS:

FUNCTIONS



| Properties | | Test Method | Unit | Value |
|-------------------------------|---------|---------------|---------------------------|---------|
| Tensile Strength | CD | EN ISO 10319 | kN/m | 8.2 |
| Tensile Strength | MD | EN ISO 10319 | kN/m | 8.2 |
| Elongation at break | CD / MD | EN ISO 10319 | % | 50 / 50 |
| CBR Puncture | | EN ISO 12236 | N | 1350 |
| Dynamic Puncture | | EN ISO 13433 | mm | 36 |
| Permeability | | EN ISO 11058 | 10^{-3}ms^{-1} | 100 |
| Flow rate normal to the plane | | EN ISO 11058 | $\text{l/m}^2/\text{sec}$ | 100 |
| Opening Size (O_{90}) | | EN ISO 12956 | microns | 95 |
| Thickness under 2kPa | | EN ISO 9863-1 | mm | 0.90 |
| Mass Per Unit Area | | EN ISO 9864 | g/m^2 | 100 |
| Roll width | | Nominal | m | 6 |
| Roll length | | Nominal | m | 200 |

Note :

- ALYAF geotextiles are non-biodegradable, have excellent resistance to chemicals and salts present in the soil.
- These have excellent UV resistance and exhibit strength retention of 70% on test for weathering resistance to EN 12224.
- As an organization committed to the safe environmental practices we suggest our customers to dispose the used material and the wastes during installation through a certified agency as the material is recyclable.
- Engineered grades to meet specific project requirements are available upon request.
- Values reported in this data sheet are the average results obtained in our laboratory and Independent testing institutions effective May 2019 and are subject to manufacturing tolerances. Properties optimization and practical experience can make revisions necessary and the right is reserved to make changes without prior notice.
- This is not intended as warranty or guarantee and Alyaf Industrial Co. Ltd. assumes no liability in connection with the use of this information as the conditions of usage are beyond our control.

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