

# ISO/TR 18228-10:2024-05 (E)

## Design using geosynthetics - Part 10: Asphalt pavements

---

<b>Contents</b>		<b>Page</b>
Foreword .....		iv
Introduction .....		v
1	Scope .....	1
2	Normative references .....	1
3	Terms and definitions .....	1
4	Design considerations .....	3
4.1	General .....	3
4.2	General design considerations .....	3
4.3	Geosynthetics used as an asphalt interlayer: product types and system functions .....	4
4.3.1	General .....	4
4.3.2	Asphalt interlayer functions .....	4
4.3.3	Geosynthetics used as an asphalt interlayer: product categories .....	6
4.4	Crack categories .....	8
4.4.1	General .....	8
4.4.2	Cracks with horizontal movements .....	9
4.4.3	Cracks with vertical movements .....	9
4.4.4	Cracks from horizontal and vertical movement .....	9
4.4.5	Structure-related cracks .....	10
4.5	Site investigation .....	10
4.6	Examples of system selection .....	10
4.7	Design models .....	12
5	Installations .....	13
5.1	General .....	13
5.2	Site preparation .....	13
5.3	Bond coat application .....	13
5.4	Installation of a geosynthetic used as an asphalt interlayer .....	14
5.5	Overlay application .....	14
6	Performance of interlayer systems .....	15
6.1	General .....	15
6.2	Field assessment .....	15
6.3	Laboratory tests .....	16
7	End-of-life and recycling .....	17
7.1	General .....	17
7.2	Milling .....	17
7.3	Recycling .....	18
Annex A (informative) Overview of design software with geosynthetics .....		19
Annex B (informative) Installation checklist .....		20
Annex C (informative) Specialized installation companies .....		22
Bibliography .....		23