

# DIN EN 12697-33:2022-12 (E)

## Bituminous mixtures - Test methods - Part 33: Specimen prepared by roller compactor (includes Amendment A1:2022)

Contents		Page
European foreword .....		3
1 Scope .....		4
2 Normative references .....		4
3 Terms and definitions .....		4
4 Principle .....		6
5 Apparatus .....		6
5.1 Method using a wheel or two wheels fitted with pneumatic tyres .....		6
5.2 Methods using a smooth steel roller .....		7
5.2.1 Smooth steel roller .....		7
5.2.2 Steel roller used on wheel fitted with pneumatic tyres .....		7
5.3 Method using a steel roller sector .....		8
5.3.1 General .....		8
5.3.2 Roller sector .....		8
5.3.3 Compaction mould .....		8
5.3.4 Loading device .....		8
5.3.5 Demoulding facilities .....		8
5.3.6 Other .....		8
5.4 Method using a roller running on vertical sliding steel plates .....		9
6 Preparation .....		11
6.1 Mass of bituminous mixture .....		11
6.2 Filling the mould .....		11
7 Compaction procedure .....		12
7.1 Method using wheels fitted with pneumatic tyres .....		12
7.1.1 Test conditions .....		12
7.1.2 Compaction .....		12
7.2 Methods using a smooth steel roller .....		13
7.2.1 General .....		13
7.2.2 Compaction by a specified energy .....		13
7.2.3 Compaction with controlled compaction energy .....		13
7.2.4 Compaction to obtain a specified air voids content or compaction degree .....		13
7.3 Method using a steel roller sector .....		13
7.3.1 General .....		13
7.3.2 Compaction with combined height-controlled precompaction and force-controlled main-compaction .....		14
7.3.3 Height-controlled compaction .....		15
7.3.4 Compaction with controlled compaction energy .....		15
7.4 Method using a roller running on vertical sliding steel plates .....		16
7.5 Demoulding of the slab .....		16
8 Test report .....		16