

Deutsche Akkreditierungsstelle

Annex to the Accreditation Certificate D-PL-19299-01-00 according to DIN EN ISO/IEC 17025:2018

Valid from: 02.02.2024

Date of issue: 02.02.2024

Holder of accreditation certificate:

HUESKER Synthetic GmbH
Fabrikstraße 13-15, 48712 Gescher

with the location

HUESKER Synthetic GmbH
Fabrikstraße 13-15, 48712 Gescher

The testing laboratory meets the requirements of DIN EN ISO/IEC 17025:2018 to carry out the conformity assessment activities listed in this annex. The testing laboratory meets additional legal and normative requirements, if applicable, including those in relevant sectoral schemes, provided that these are explicitly confirmed below.

The management system requirements of DIN EN ISO/IEC 17025 are written in the language relevant to the operations of testing laboratories and they conform to the principles of DIN EN ISO 9001.

Mechanical and thermoanalytic tests on textiles, technical textiles, especially geotextiles (geosynthetics) and geotextile-related products and fiber-reinforced plastics

The testing laboratory is permitted, without being required to inform and obtain prior approval from DAkkS, to use standards or equivalent testing methods (except in-house test procedures) listed here with different issue dates.

The testing laboratory maintains a current list of all testing methods within the flexible scope of accreditation.

This certificate annex is only valid together with the written accreditation certificate and reflects the status as indicated by the date of issue. The current status of any given scope of accreditation can be found in the directory of accredited bodies maintained by Deutsche Akkreditierungsstelle GmbH at <https://www.dakks.de>.

Annex to the Accreditation Certificate D-PL-19299-01-00

Mechanical and thermoanalytic tests on textiles, technical textiles, especially geotextiles (geosynthetics) and geotextile-related products and fiber-reinforced plastics

DIN EN ISO 527-4 2022-03	Plastics - Determination of tensile properties - Part 4: Test conditions for isotropic and anisotropic fibre-reinforced plastic composites
DIN EN ISO 1421 2017-03	Rubber- or plastics-coated fabrics - Determination of tensile strength and elongation at break
DIN EN ISO 2062 2010-04	Textiles - Yarns from packages - Determination of single-end breaking force and elongation at break
DIN EN ISO 2286-2 2017-01	Rubber- or plastics-coated fabrics - Determination of roll characteristics - Part 2: Methods for determination of total mass per unit area, mass per unit area of coating and mass per unit area of substrate, <u>here:</u> section 3 - Determination of the total mass per unit area
DIN EN ISO 2286-3 2017-01	Rubber- or plastics-coated fabrics - Determination of roll characteristics - Part 3: Method for determination of thickness
DIN EN ISO 9863-1 2020-04	Geosynthetics - Determination of thickness at specified pressures - Part 1: Single layers
DIN EN ISO 9864 2005-05	Geosynthetics - Test method for the determination of mass per unit area of Geotextiles and geotextile-related products
DIN EN ISO 10319 2015-09	Geotextiles - Wide-width tensile test
DIN EN ISO 10321 2008-08	Geotextiles - Tensile test for joints/seams by wide-width method
DIN EN ISO 11058 2019-09	Geotextiles and geotextile-related products - Determination of water permeability characteristics normal to the plane, without load
DIN EN ISO 12236 2006-11	Geotextiles and geotextile-related products - Static puncture test (CBR-Test)
DIN EN ISO 12956 2020-05	Geotextiles and geotextile-related products - Determination of the characteristic opening size
DIN EN ISO 13433 2006-10	Geosynthetics - Dynamic perforation test (con drop test)

Annex to the Accreditation Certificate D-PL-19299-01-00

DIN EN ISO 13438 2019-05	Geotextiles and geotextile-related products - Screening test method for determining the resistance to oxidation (only test procedure A)
DIN EN ISO 13934-1 2013-08	Textiles - Tensile properties of fabrics - Part 1: Determination of maximum force and elongation at maximum force using the strip method
DIN EN ISO 13934-2 2014-06	Textiles - Tensile properties of fabrics - Part 2: Determination of maximum force using the grab method
DIN EN ISO 14125 2011-05	Fibre-reinforced plastic composites - Determination of flexural properties
DIN EN 12224 2000-11	Geotextiles and geotextile-related products - Determination of the resistance to weathering
DIN EN 12447 2021-11	Geotextiles and geotextile-related products - Screening test method for determining the resistance to hydrolysis in water
DIN EN 29073-3 1992-08	Textiles - test method for nonwovens - part 3: determination of tensile strength and elongation
DIN 4102-1 2011-04	Fire behaviour of building materials and building components - Part 1: Building materials; concepts, requirements and tests
DIN 53859-5 1992-12	Testing of textiles - tear growth test on textile fabrics - trapezoid test
DIN 75200 1980-09	Determination of burning behaviour of interior in motor vehicles
ASTM D 4533 2015	Standard Test Method for Trapezoid Tearing Strength of Geotextiles
ASTM D 4595 2017	Standard Test Method for Tensile Properties of Geotextiles by the Wide-Width Strip Method
ASTM D 4632 2015	Standard Test Method for Grab Breaking Load and Elongation of Geotextiles
ASTM D 4833 2007	Standard Test Method for Index Puncture of Geomembranes and Related Products
ASTM D 4884 2014	Standard Test Method for Strength of Sewn or Thermally Bonded Seams of Geotextiles

Annex to the Accreditation Certificate D-PL-19299-01-00

ASTM D 5199 2012	Standard Test Method for Measuring Nominal Thickness of Geosynthetics
ASTM D 5261 2010	Standard Test Method for Measuring Mass per Unit Area of Geotextiles
ASTM D 6241 2014	Standard Test Method for the static Puncture Strength of Geotextiles and Geotextile-Related Products Using a 50-mm Probe
ASTM D 6637/D 6637M 2015	Standard Test Method for Determining Tensile Properties of Geogrids by the Single or Multi-Rib Tensile Method
NF G38-019 1988-12	Textiles - Articles for industrial use - Tests for geotextiles: determination of resistance to stamping.
Test procedure HS 04 2019-03	DSC-test - determination of melting temperature and melting curve
Test Procedure HS 06 2017-01	Test method for the determination of dimension stability of geogrids

Abbreviations used:

ASTM	American Society for Testing and Materials
DIN	Deutsches Institut für Normung e. V.
EN	Europäische Norm
ISO	International Organisation for Standardisation
NF	Norme Française (französische Norm)
Test Procedure HS xx	In-house test procedure from HUESKER Synthetic GmbH