



**Business plan for a DIN SPEC project
according to the PAS procedure on
“Sports Textiles – Measurement of
Compression and Material Properties
(Pressure Properties)”**

**Status:
For DIN SPEC (PAS) development after
adoption on 2020-02-28**

**Requests to participate in the project and/or comments on the
business plan are to be submitted
to amelie.banhart@din.de¹**

Recipients of this business plan are requested to name all patent rights known
to them to be relevant to the project and to make available
all supporting documents.

Berlin, 2020-07-15 (Version 2)

¹ Applications for participating in the project and comments on the business plan that are not received by the deadline do not need to be taken into consideration. Once constituted, the project workshop will decide whether or not to consider the comments received in good time.

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1. Status of the business plan

- **For developing the DIN SPEC (PAS) adoption on 2020-02-28**

Changes to the previous version 1:

- Section 2: Table of participating organizations added
- Section 7: Information on consortium leader added

2. Initiator and other consortium members

- Initiator:

Person/Organization	Short description
Florian Girmond Hohenstein Laboratories GmbH & Co. KG Schlosssteige 1 74357 Bönningheim f.girmond@hohenstein.de Tel.: +497143271147 www.hohenstein.de	The Hohenstein Institute is an international research and service center focusing on the development, testing and certification of textile products. The Hohenstein Institute carries out the tests and tests of product quality and performance in the accredited laboratories in a neutral and independent manner.

- Other potential participants:

This DIN SPEC will be developed in a consortium (temporary body) that is open to any interested party. The participation of other experts would be helpful and is desired. It is recommended that

- Manufacturer of compressing sports textiles
- Manufacturer of elastic materials for sportswear

take part in the development of this DIN SPEC.

- Organisations that have adopted this business plan (consortium members):

Person	Organization
Florian Girmond	Hohenstein Laboratories GmbH & Co KG
Till Backfisch	MVP Sports Compression GmbH
Steven Regelbrugge	Marcel Liebaert nv/sa
Lex Overholt	Under Armour

3. Objectives of the project

3.1. General

Aim:

Description of a suitable and independent method for:

- a) Determination of the compression properties of sports clothing
- b) Determination of essential usage-relevant parameters of the materials used
- c) Objective comparability and verifiability of product properties

Background and status quo:

The market for compressive sportswear has become increasingly important in recent years. There are no generally accepted guidelines or procedures for sports textiles. This applies both to the test method and to the amount of compression that is applied along the body and / or limbs.

So far, compression properties of sporting goods have been tested to a great extent comparable to medical compression textiles according to DIN 58133 or RAL-GZ 387ff.

However, essentials in the standards mentioned are not applicable to sports textiles or even contradict the desired properties. Furthermore, useful and important material parameters are not taken into account, especially for the sports sector.

The lack of an independent and objective method for testing the compression and material properties of sports textiles makes it impossible to compare and / or agree technical and advertising statements as well as qualities and usage properties.

3.2. Planned scope

This DIN SPEC specifies a test method for determining the compression properties of compressive sports clothing that builds up a defined pressure on legs, arms and / or upper body (such as leg socks, arm socks, pants (legs,) and shirts (trunk area, arms)). The test method serves to determine essential parameters relevant to use of the materials used and is to ensure the objective comparability and verifiability of the product properties.

3.3. Related activities

The subject of the planned DIN SPEC is not at present the subject of a standard. However, there are bodies, standards and/or other technical rules that deal with related subjects and thus need to be taken into account - and involved or incorporated, where necessary - during this project:

- DIN 58133 *Medical compression hosiery*
- RAL-GZ 387-1 *Medical Compression Hosiery – Quality Assurance*
- RAL-GZ 387-2 *Medical Compression Armsleeves – Quality Assurance*

- *Stocking systems for the treatment of leg ulcers - quality and test regulations based on RAL-GZ 387-1*

4. Work programme

4.1. General

The aim of the project is to develop a DIN SPEC according to the PAS procedure ("DIN SPEC (PAS)") (see www.din.de/go/din-spec-en). The DIN SPEC shall be consistent with the body of German standards and shall not contradict any DIN Standard.

The kick-off meeting took place on 2020-02-28 in Berlin. The project duration will be about 7 months.

At this meeting, the consortium for developing the DIN SPEC will be constituted, and further organizational issues and the subject of the work will be agreed on.

A draft for public commenting will not be published.

3 additional project meetings will also be held and 0 web conferences are planned, during which the content of the DIN SPEC will be presented, discussed and adopted. The content of the DIN SPEC can also be drawn up by individual consortium members or in working groups.

Dates of further meetings and/or web conferences are to be agreed on within the consortium in consultation with DIN.

The DIN SPEC will be drawn up in English (language of meetings, minutes, etc.). The DIN SPEC will be prepared and published in English.

NOTE The calculation covers only one language version. Please keep in mind the fact that other language versions involve additional expenses; for this reason, they shall be agreed on separately. If another language version is desired, Beuth Verlag/DIN can provide a translation. Requests for translations are to be submitted after the DIN SPEC manuscript has been adopted for publication.

5. Resource planning

If the DIN Executive Board approves the project, the initiator of the project will then conclude a contract with DIN and Beuth Verlag.

Consortium membership and participation in the project meetings is free of charge, as the costs incurred to DIN throughout the performance of this project will be borne by the initiator.

6. Rules of cooperation in the DIN SPEC (PAS) consortium

This project is governed by the rules of procedure for developing DIN SPEC PAS. All interested parties and consortium members are to inform themselves of these procedures by going to www.din.de/go/din-spec-en.

The consortium will be constituted during the course of the kick-off meeting. The kick-off meeting will not take place until the business plan has been published and approved by DIN's Executive Board. The consortium shall comprise at least three members from different organizations². It is not necessary that these members come from different areas and represent different stakeholders. By approving this business plan, the interested parties declare their willingness to participate in the consortium and will be formally named as consortium members, with the associated rights and duties. Participants at the kick-off meeting who do not approve the business plan are not given the status of a consortium member and are thus excluded from further decisions made during the kick-off meeting and from any other decisions regarding the project.

If an organization (e.g. an association) sends someone who is not an employee to the consortium, this person shall be authorized by the organization, who shall provide proof of this to DIN.

Each consortium member is entitled to vote and has one vote. If an organization sends several experts to the consortium, that organization has only one vote, regardless of how many consortium participants it sends. Transferring voting rights to other consortium members is not permitted. During voting procedures, decisions are passed by simple majority, not counting abstentions.

As a rule, the consortium is closed once it is constituted. The current consortium members shall decide whether any additional members will be accepted or not.

During the kick-off meeting, the consortium members shall elect a consortium leader, who is responsible for content management and any decision-making and voting procedures. The leader is supported by the responsible DIN Project Manager, whereby DIN will always remain neutral regarding the content of the DIN SPEC. Furthermore, the DIN Project Manager shall ensure that DIN's rules of procedure, rules of presentation, and the principles governing the publication of DIN SPEC have been observed. Should a consortium leader no longer be able to carry out his/her duties, the DIN Project Manager shall initiate the election of a new leader. The core task of the consortium leader is content management.

² Organizations are participating legal entities that send the experts to the DIN SPEC PAS consortium and are assigned to a corporate structure as defined by § 15 of the German Stock Corporation Act or § 271 paragraph 2 of the German Commercial Code.

The DIN Project Manager is responsible for organizing and leading the kick-off meeting, in consultation with the initiator. Further project meetings and/or web conferences shall be organized by the DIN Project Manager in consultation with the consortium leader.

If consortium members cannot be present when the DIN SPEC or its draft is adopted, an alternative means of including them in the voting procedure shall be used (e.g. in writing, electronically).

All consortium members who voted for the publication of the DIN SPEC or its draft will be named as authors in the Foreword, including the organizations which they represent. All consortium members who voted against the publication of the DIN SPEC or its draft, or who have abstained, may not be named in the Foreword.

The previous consortium members decide on a subsequent extension of the consortium. It is particularly important to note that

- a) the enlargement is conducive to shortening the duration of the project or to avoiding or averting an imminent delay in the planned duration of the project;
- b) the extension does not lead to an impending extension of the duration of the project;
- c) the new consortium member does not address any new or complementary issues beyond the scope of application defined and approved in the business plan;
- d) the new consortium member brings complementary expertise to the consortium in order to bring in the latest scientific knowledge and state of the art;
- e) the new consortium member actively participates in the manuscript work by submitting concrete but not abstract proposals and contributions.
- f) the new consortium member ensures an increased application of DIN SPEC.

To allow the legal reproduction and distribution of results for the purposes of project work, the consortium members grant DIN rights of use on the basis of the copyright that will accrue to them for the results of their work on the DIN SPEC. The transfer of these utilization rights does not prevent the consortium members from using and further developing the knowledge, experience and findings they bring to the project.

Consortium members are requested to inform DIN of all patent rights known to them to be relevant to this DIN SPEC project.

Subsequent changes to the scope of application (Section 3.2) or to the resource planning (Section 6) require, in addition to a two-thirds majority of all votes cast, the approval of DIN.

7. Contacts

- Consortium leader:

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Annex: Project schedule (preliminary)

DIN SPEC (PAS) Project	2019 - 2020											
	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug			
Initiation												
1. Request and review												
2. Business plan drawn up												
3. Publication of business plan												
Development phase												
4. Kick-off meeting / consortium constituted												
5. DIN SPEC (PAS) drawn up												
6. DIN SPEC (PAS) adopted by consortium												
Publication												
7. Review and release by DIN												
8. Publication of DIN SPEC (PAS)												
Milestones												

- K** Kick off
M Project meeting
W Web conference
A Adoption of DIN SPEC (PAS)