
**Building construction machinery and
equipment — Machinery for concrete
surface floating and finishing —**

Part 1:
Terms and commercial specifications

*Machines et matériels pour la construction des bâtiments —
Talocheuses-lisseuses de mortier —*

Partie 1: Terminologie et spécifications commerciales



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Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Each member body interested in a subject for which a technical committee has been established has the right to be represented on that committee. International organizations, governmental and non-governmental, in liaison with ISO, also take part in the work. ISO collaborates closely with the International Electrotechnical Commission (IEC) on all matters of electrotechnical standardization.

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The committee responsible for this document is ISO/TC 195, *Building construction machinery and equipment*, Subcommittee SC 1, *Machinery and equipment for concrete work*.

ISO 13105 consists of the following parts, under the general title *Building construction machinery and equipment — Machinery for concrete surface floating and finishing*:

- *Part 1: Terms and commercial specifications*
- *Part 2: Safety requirements and verification*

Introduction

ISO 13105 deals with machinery designed for smoothing and finishing concrete on construction sites. These machines are commonly referred to as “power trowels.”

This part of ISO 13105 provides terminology and definitions for the machine and for specific components of the machine.

It establishes requirements and parameters for stating values typically found in commercial literature in an effort to aid customers and users in product selection and comparison.

Building construction machinery and equipment — Machinery for concrete surface floating and finishing —

Part 1: Terms and commercial specifications

1 Scope

This part of ISO 13105 defines terms and commercial specifications for machines used for concrete surface floating and finishing (also known as power trowels). This includes pedestrian-controlled equipment and ride-on equipment.

It does not address strike-off type machines, commonly known as screeds.

2 Terms and definitions

For the purposes of this document, the following terms and definitions apply.

2.1

power trowel

motor-powered machine with rotating tools for floating and finishing freshly placed concrete

2.2

rotor

rotating assembly including the blades and means to pitch blades

2.3

blade

working tool which contacts with the concrete surface

2.4

handle**pole**

device on pedestrian-controlled power trowel to enable the operator to hold and manoeuvre the machine

2.5

retardant

liquid finishing aid

2.6

pitch

included angle between the surface of the blade and the concrete surface

Note 1 to entry: This could be fixed or adjustable.

3 Commercial specifications

3.1 General

The following general data shall be presented.

- a) model and type