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Replacing GB/T 7920.13-2006

Concrete pavement machine and equipment - Terminology

混凝土路面铺筑机械与设备 术语

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Foreword

This document is in accordance with the provisions of GB/T 1.1-2020 "Guidelines for standardization work Part 1: Structure and drafting rules for standardization documents" Drafting.

This document replaces GB/T 7920.13-2006 "Terms of machinery and equipment for concrete pavement construction" and GB/T 7920.13-2006 In addition to structural adjustments and editorial changes, the main technical changes are as follows.

- a) The scope has been changed (see Chapter 1, Chapter 1 of the 2006 edition);
- b) Changed the "Concrete Paver", "Rail Mode Concrete Paver", "Bucket Track Mode Concrete Paver", "Tire Slipform Concrete Paver" Soil spreader, primary metering device, insert vibrator, roller, spiral scraper, joint filler heating system Definition of "Paving Speed" (see 3.1.1, 3.1.1.1, 3.1.1.1.1, 3.1.1.2.2, 3.2.2.1, 3.2.2.3, 3.2.3.1, 3.2.3.2, 3.2.5.1, 3.3.1.3, 2006 edition 2.1.1, 2.1.1.1, 2.1.1.1.1, 2.1.1.2.2, 2.2.2.1, 2.2.2.2, 2.2.3.1, 2.2.3.2, 2.2.5.1, 2.3.1.3);
- c) Added the terms and definitions of "curb slipform concrete paver", "roller concrete paver" and "concrete pavement shot blasting machine" (See 3.1.1.2.3, 3.1.1.3, 3.1.8);
- d) Deleted "Multi-function Slipform Concrete Paver", "Rail-type Concrete Surface Finisher", and "Roller-type Concrete Pavement Paving and Leveling Machine" The terms and definitions of "concrete vacuum dehydration equipment" and "concrete pavement polishing machine" (see 2.1.1.2.3, 2006 edition) 2.1.1.1.4, 2.1.1.3, 2.1.4, 2.1.5);
- e) Changed the term "concrete pavement row vibrator" to "concrete row vibrator" (see 3.1.4, 2006 edition) 2.1.6);

f) The terms and definitions of "rail template", "dowel rod insertion device" and "mixer" have been changed (see 3.2.1.1, 3.2.2.10, 3.2.5.2, 2.2.1.1, 2.2.2.15, and 2.2.5.2 of the 2006 edition);

g) Added the terms and definitions of "concrete mix distributor", "formwork", "compacting device" and "tension rod insertion device" (see 3.2.2.2, 3.2.2.4, 3.2.2.6, 3.2.2.11);

h) Deleted "main template", "side template", "main frame", "crawler walking device", "tire trolley", "support frame", "lateral tension rod insertion device" (Intermediate Inserter) and "Side Tension Rod Insertion Device" terms and definitions (see 2006 edition 2.2.2.3, 2.2.2.5, 2.2.2.9~ 2.2.2.14);

i) Deleted "vacuum pump", "filter water tank", "suction pad device", "squeegee", "squeegee", "knife holder" (see 2006 edition) 2.2.6.1~2.2.6.3, 2.2.7.1~2.2.7.3);

j) Added the terms "engraving depth adjustment device", "engraving device", "brushing brush", "curing agent spraying device", "shot blaster", and "shot separator" and definitions (see 3.2.7.1, 3.2.7.2, 3.2.8.1, 3.2.8.2, 3.2.9.1, 3.2.9.2);

k) Deleted "vacuum pump vacuum degree", "filter water tank capacity", "suction pad size", "wipe plate size", "spatula size", "working device rotation" The term and definition of "speed" (see 2.3.4.1~2.3.4.3, 2.3.5.1~2.3.5.3 of the 2006 edition);

l) Added the terms and definitions of "shot blasting width" and "operating speed" (see 3.3.7.1 and 3.3.7.2).

Please note that some of the contents of this document may involve patents. The issuing organization of this document does not assume the responsibility for identifying patents.

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The previous versions of this document and the documents it replaces are as follows.

- First published as GB/T 7920.13-1987 in 1987, first revised in 2006;
- This is the second revision.

1 Scope

This document defines the machines used for paving, compacting, leveling, shaping and engraving cement concrete (hereinafter referred to as "concrete") pavement.

Terminology for machinery and equipment.

This document applies to machinery and equipment used in projects such as paving concrete pavements, airport runways, slopes, curbs, gutters, retaining walls and drains.

2 Normative references

This document has no normative references.

3.1.1 concrete paver

Spread the concrete mixture evenly on the working surface such as roadbed, roadside, airport runway and slope, and carry out tamping, leveling, shaping and A machine that fixes the concrete mixture into an ideal cross-sectional shape through processes such as smoothing and finishing.

3.1.1.1 Rail-form concrete paver rail-form concrete paver

A concrete paver that travels on two rail formworks during operation.

3.1.1.1.1 Hopper type rail-form concrete paver

A track-type concrete paver with a special paving bucket moving along two horizontal tracks to perform periodic work.

3.1.1.1.2 Auger type rail-form concrete paver

A track-type concrete paver uses a spiral spreader to spread the concrete mixture pre-placed on the working surface and perform continuous paving work.

3.1.1.1.3 Scraper rail pattern concrete paver bladetyperail-formconcretetepaver

The concrete mixture pre-placed on the working surface is scraped and spread by moving the scraper with an adjusted angle on the horizontal plane along the horizontal slide rail. Rail pattern concrete pavers.

3.1.1.2 Paving machine

Equipped with formwork, used to shape and compact concrete, and lay concrete slabs with the required cross-sectional shape on the working surface.

3.1.1.2.1

A sliding concrete paver driven by crawler tracks.

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