Texture curing machine TCM 180i from Wirtgen: A handy solution

Self-propelled curing units, such as the new TCM 180i from WIRTGEN, guarantee the success of professionally cured concrete pavements. It is being premièred at bauma 2016.

As soon as concrete has been paved by the slipform paver, it must be protected without delay to prevent drying out, as this causes tension which, in turn, leads to cracks. When paving concrete, the curing unit, with its automatic spraying and brooming system, follows directly behind the slipform paver to produce the desired surface texture. Finally, the spraying system applies a dispersion to the fresh concrete surfacing to prevent it drying out prematurely.

The TCM 180i, the latest curing unit, further improves the pavement quality achieved with Wirtgen products. The modular design permits working widths between 4 m and 18 m. A new engine unit means that the TCM 180i now has the most eco-friendly engine technology in compliance with emission level EU Stage 4 / US Tier 4 Final. The engine can also be equipped with an additional diesel particulate filter (DPF). With its new operating concept, the curing unit can now be operated intuitively, just like the Wirtgen slipform pavers of the SP 90 and SP 60 series. In addition to a more modern and clearer arrangement, the operator's console also features a number of new service and control functions, optimizing the work process. The new hydraulic concept also has a positive impact on the work process, for the traction drive can now be switched at different speeds (between working and transport mode), for example. Proportional control supports precision height adjustment to meet every requirement.

Wirtgen has additionally enlarged its range of different surface textures to cater to the diverse wishes of its customers around the world. In addition to the established functions of transverse brooming and spraying, longitudinal brooming and spraying – and even the application of a diagonal finish – will be possible in future. The machine can also be fitted with mounts for a burlap or synthetic turf.

A film unwinding device (known as a Polyroll) helps to protect the concrete quickly and effectively from the negative effects of sudden rain. Traveling in reverse gear directly behind the slipform paver, the machine spreads plastic sheeting to protect the concrete from rain.

Fotos:

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|  | W\_G\_TCM180i\_00010\_HI  Dispersion is applied to the concrete in precisely metered quantities by the spraying unit on the transverse drive. This prevents the concrete drying prematurely. The desired surface texture is achieved by a broom unit which is also mounted on the transverse drive. |

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|  | **W\_G\_TCM180i\_00011\_HI**  The modular design makes the self-propelled texture curing machine suitable for working widths from 4 m to 18 m. Available in numerous equipment versions, the TCM 180i can be used to produce all manner of surface textures. |

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|  | **W\_G\_TCM180i\_00009\_HI**  If desired by the customer, the TCM 180i can also be fitted with a film unwinder (Polyroll). Plastic sheeting unwinds in the opposite direction to the direction of travel and protects the fresh concrete from sudden rain. |

For further information

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