



SKIDABRADER
PAVEMENT AND SURFACE TECHNOLOGIES



WHERE THE **RUBBER** MEETS THE **ROAD**

The **HYDROTIMER** is a precision instrument calibrated to meet the ASTM International E2380-05 Standard.

 **HYDROTIMER**

Measures Pavement Drainage Capability



WHAT IT IS

A self-contained outflow meter which consistently produces accurate results regardless of the operator as long as the tests are performed in accordance with instructions.

EASE OF USE

The HydroTimer is a hands-off operation with trained personnel. The test provides a graphic visual display of escaping water and a digital reader.

PRECISION

The HydroTimer is a precision-calibrated instrument designed to meet the ASTM-2380-05 International Standard.

WHY IT WORKS

The base sealing ring simulates a tire footprint. A measured volume of water is released in the center of the sealing ring while an electronic timer indicates how long it takes the water to pass through texture voids.

MACROTEXTURE

The HydroTimer shows the effectiveness of the surface voids to channel water from under the tire footprint.

PURPOSE

Measuring the ability of the pavement to relieve water pressure at the tire footprint, thus giving an excellent indication of vehicular skidding and hydroplaning potential under wet weather conditions.

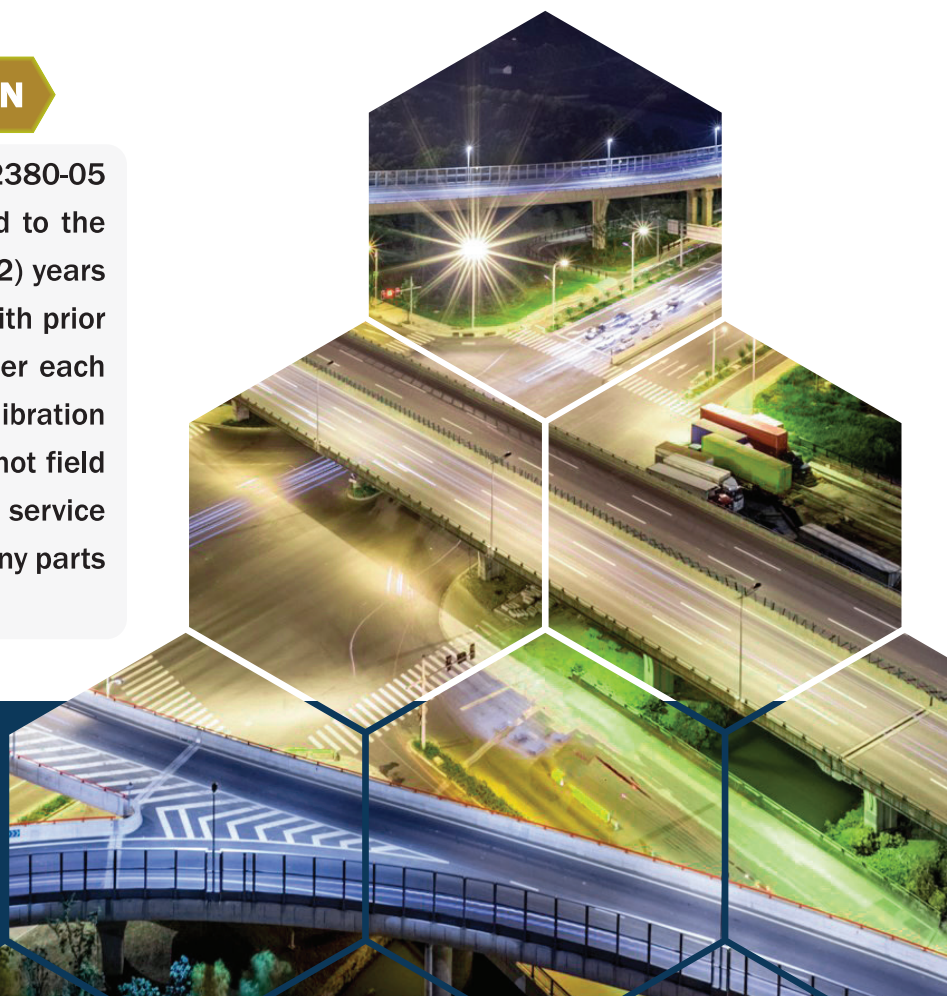


PRODUCT SUMMARY

The Hydrotimer is a patented and self-contained outflow meter. Its operation is simply a leak-down test with the primary purpose of checking water drainage through texture voids in pavement surfaces. A rubber sealing ring mounted on its base for contacting the surface ensures zero outflow when a test is conducted on a glass smooth surface. Therefore, a test performed on a surface with inter-connected texture voids will result in an incomplete seal and an outflow of water. The measured volume of water is timed by on-board electronics with an LCD display. Averaging the tests indicates the water flow characteristics of a given pavement surface with no allowance for tire tread contribution. The shorter the test times, the better the drainage. The Hydrotimer is accurate and repeatable regardless of the experience of the single operator required when instructions are followed.

THE HYDROTIMER CALIBRATION

The Hydrotimer is calibrated to ASTM E 2380-05 specifications at the factory. It is delivered to the owner with a calibration tag good for two (2) years unless the unit is damaged or tampered with prior to that date. It is due for re-calibration after each 2-year period, and must display a current calibration tag in order to perform certified tests. It is not field serviceable and should be returned to the service center or its authorized representative for any parts or repairs that may become necessary.



SKIDABRADER GROUP TECHNOLOGIES

Skidabrader Group is a technology and solutions-based contractor services business for infrastructure preservation and renewal. Safety and “Saving Lives” are the Company’s compelling work and structure.

TESTING

SKIDABRADER GROUP operates several types of testing equipment including its own patented HYDROTIMER. We can test pre/post friction, stripe reflectivity and water flow with consistent accuracy throughout all of our machines. Our exclusive patented Hydrotimer is used to test for water drainage capabilities under tire pressure and is available for purchase.

OUR SERVICES

AVIATION

- FRICTION RESTORATION
- TEXTURING
- MARKING REMOVAL AND APPLICATION
- STRIPE APPLICATION
- RAMP/GATE/APRON CLEANING
- AIRFIELD SURFACE CLEANING

ROADS

- TEXTURING
- CURING REMOVAL
- SURFACE PREPARATION
- HIGH FRICTION SURFACE TREATMENT
- REMOVAL OF BITUMEN

BRIDGES

- TEXTURING ON CONCRETE
- TEXTURING ON OVERLAYS
- PREPARATION FOR OVERLAYS
- REMOVAL OF OVERLAYS
- HYDRO BLASTING TO REMOVE BITUMEN
- HIGH FRICTION SURFACE TREATMENT

TESTING

- FRICTION TESTING
- REFLECTIVITY TESTING
- HARDNESS TESTING
- GLOSS LEVEL TESTING
- SURFACE REFINEMENT RA TESTING



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