

Althon Heavy Duty Traffic Drain

DRAINAGE SYSTEMS FOR ROAD
AND HIGHWAY CONSTRUCTION



**HIGH QUALITY POLYMER CONCRETE DRAINAGE
SYSTEMS**

PROFESSIONAL DRAINAGE SOLUTIONS FOR ROAD AND TRAFFIC APPLICATIONS

Althon Heavy Duty Traffic Drain

SYSTEM OVERVIEW



Clear width: 100 mm
Total width: 154 mm
Total height: 265 mm

Althon Heavy Duty Traffic Drain 1010



Clear width: 150 mm
Total width: 204 mm
Total height: 280 mm

Althon Heavy Duty Traffic Drain 1500



Clear width: 200 mm
Total width: 254 mm
Total heights: 320 /
420 / 520 / 570 mm

Althon Heavy Duty Traffic Drain 2000/2020/2040/2050

- > Channel section without fall
- > Monolithic construction
- > Loading class A 15 to F 900 for standard variant
- > Loading class A 15 to D 400** with side inlets for use in open porous asphalt

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Althon Heavy Duty Traffic Drain

PIONEERING DRAINAGE SOLUTIONS FOR MOTORWAYS AND CITIES

We offers you pioneering solutions for the reliable and cost-effective drainage of all the world's roads. Our product range contains clearly designed and innovative solutions made of polymer concrete.

No matter which channel system you use for the task in hand, Althon Heavy Duty Traffic Drain delivers decades of our expertise in professional surface drainage for every conceivable application. Optimize your planning with flexibility through innovative modular systems, a free technical support and advisory service and the outstanding physical and chemical properties of polymer concrete. Work with less weight, do away with heavy lifting equipment for installation and benefit from the durability and reliability of our products.

Althon Heavy Duty Traffic Drain

> For the drainage of motorways and highways

Althon Heavy Duty Traffic Drain

THE HIGH-END MONOLITHIC DRAINAGE SOLUTION

MONOLITHIC POLYMER CONCRETE DRAINAGE CHANNEL

Althon Heavy Duty Traffic Drain

The monolithic high performance Althon Heavy Duty Traffic Drain has been designed to resist perfectly and on the long run to maximum traffic load.

Fields of application:

- > Motorways
- > Highways
- > Airports

The monolithic construction of the Althon Heavy Duty Traffic Drain guarantees:

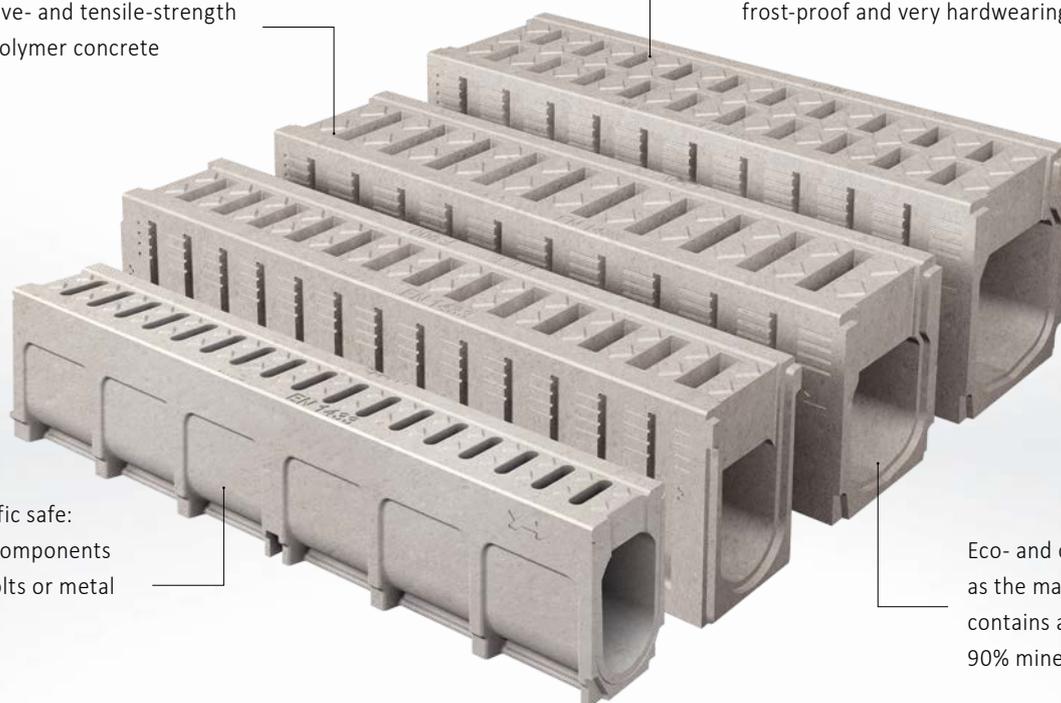
- > Maximum acceptance and transfer of high dynamic loads
- > Total compliance with safety and security standards
- > Best possible value for money

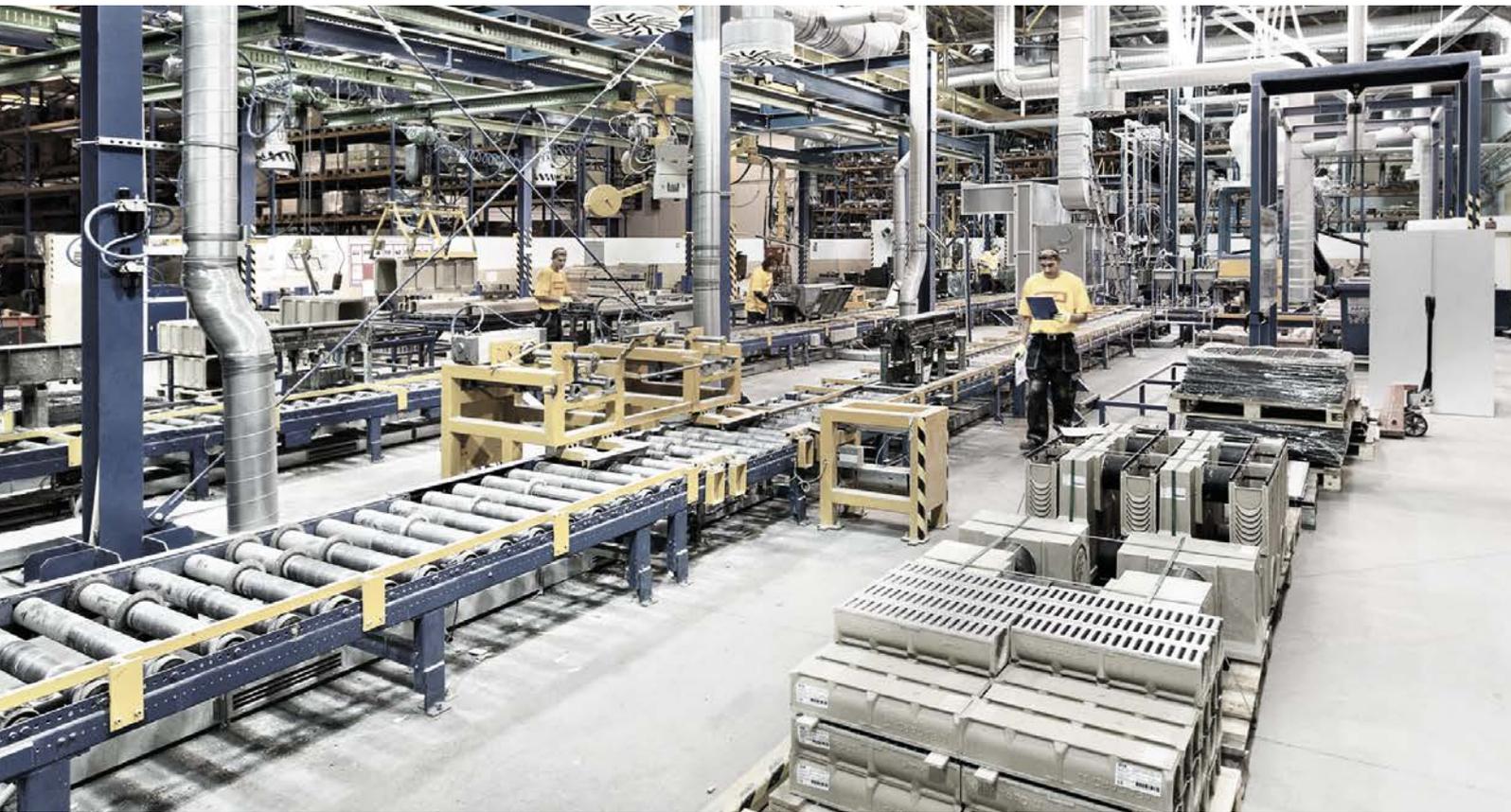
Made from high compressive- and tensile-strength polymer concrete

Suitable for use in highway constructions: resistant to aggressive abrasion, premature ageing and de-icing salt. Completely frost-proof and very hardwearing

100% traffic safe: no loose components such as bolts or metal parts

Eco- and climate-friendly, as the material used contains approximately 90% mineral aggregates





POLYMER CONCRETE

THE QUALITY MATERIAL

POLYMER CONCRETE

The special polymer concrete from us is remarkable for its outstanding physical and chemical properties. These make it an extremely reliable and versatile material in even the toughest conditions.

Polymer concrete channels are particularly eco-friendly. Mostly made out of minerals, polymer concrete channels are easy to recycle. Because of the quality material channels have a particularly long lifetime, saving future investments and unnecessary new building sites.

Polymer concrete channels are the more extremely resistant to liquid chemicals and acids, making them the perfect protection devices for the environment and ground waters.

Last but not least, polymer concrete channels are significantly lighter than comparable concrete channels, making them considerably easier to install.

MATERIAL CHARACTERISTICS

Compressive strength	> 90 N/mm ²
Flexural tensile strength	> 22 N/mm ²
Water adsorption	Below 0.05 %
Modulus of elasticity	25-35 kN/mm ²
Density	2.1 - 2.3 kg/dm ³
Water ingress depth	0 mm
Material structure	Capillary-free – ideal for the rapid discharge of water and dirt particles
Channel body weight	Significantly lighter than conventional concrete channels
Workability	Suitable for grinding disks, rock drills and chisels
Environmental compatibility	Eco-friendly building material with mineral admixtures
Ageing resistance	Entirely frost proof, wear-resilient, and maintenance-free. Highly resistant to liquid chemicals (pH range 3 to 9)