

# **ULTI**GUARD

The ultimate durable surface for agricultural environments



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*The harsh acidic effluents found in agricultural environments can seriously degrade conventional asphalt and concrete. ULTIGUARD provides a dense, durable surface with low voids that offers improved chemical resistance and longer lasting performance.*

#### ULTIMATE DURABILITY

ULTIGUARD uses high quality aggregates and specialist binder additives, avoiding the use of other specific aggregates that are susceptible to acid attack.

#### ULTIMATE RESISTANCE

Designed to meet the demands of agricultural environments, ULTIGUARD resists attack from chemical effluents produced by silage and other fermented energy or fodder crops. It also provides a durable running surface for farm machinery.

#### FASTER COMPLETION

An ULTIGUARD asphalt surface is installed quickly and can be used the following day. It offers significant time savings over the concrete based surfaces, helping to minimise operational delays.

#### EXCELLENT WORKABILITY

Laid at 40-50mm nominal thickness, ULTIGUARD is designed for excellent workability for improved jointing and compaction. It can be laid on a suitable asphalt binder course, or used to overlay an existing concrete surface.

#### ULTIMATE VERSATILITY

ULTIGUARD can be used for a wide range of applications, including surfacing for silage clamps, storage silos, animal housing and farm yards.

#### ULTIMATE SUPPORT

At Tarmac, technical excellence comes as standard. Our technical experts can provide advice on material suitability and laying techniques. ULTIGUARD has been designed and tested in our industry leading laboratory facilities.

To find your local Tarmac office visit: [tarmac.com/contact](https://www.tarmac.com/contact)

## TECHNICAL DATA

The table below contains test results showing performance compared to conventional asphalt products.

Standard	Typical Air Voids	Typical Water Sensitivity (ITSR)
	BS EN 12697-8	BS EN 12697-12
ULTIGUARD	3.0%	100%
AC 10 CLOSE SURF 100/150	8.0%	80%



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