



# NORTHSTONE

QUARRY & ASPHALT DIVISION

## *Premium Surface Dressing*



Northstone is the sole agent in Ireland for Total Bitumen's proven range of high performance polymer modified emulsions marketed under the trade names NOVALASTIC and LANTEX.

*The Right Surface*

[www.northstone-ni.com](http://www.northstone-ni.com)



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**NOVALASTIC** is a heavy duty polymer modified emulsion which has been developed to give a tough, durable and elastic binder with the added benefit of safety in all stages of handling and use.

**LANTEX** is a medium range polymer modified emulsion designed to bridge the gap between conventional surface dressing binders and the very high performance Novalastic from which system it has been developed. It is recommended for principal roads and/or difficult sites which may not justify the need for Novalastic.

Specialised staff produce designs to meet performance criteria for

individual sites. These are based upon meeting or exceeding recommendations contained in Road Note 39. Single size, racked-in, double or sandwich chipping dressings are employed as appropriate. The use of 60+ PSV greywacke chippings provide high skid resistance.

The plant used is the most modern available, with computerised sprayers, variable-width chipping spreaders and pneumatic tyred rollers.

Cycle tracks and Bus Lanes/Bays have also been installed in Belfast and Dublin using polymer modified emulsions dressed with specially selected red chippings.

### TECHNICAL SPECIFICATIONS

Aggregate - North Down Quarry		
Stone Type	PSV	AAV
Greywacke	63	6.0

Binder Properties						
Binder	Novalastic	Lantex	50 Pen	70 Pen	100 Pen	200 Pen
Softening point °C	70	60	55	50	45	39

Vialit Pendulum - Typical recovered Binder			
Product	Peak Cohesion J/cm <sup>2</sup>	Temperature range for Cohesion >1.2 J/cm <sup>2</sup>	Temperature range for Cohesion >1.5 J/cm <sup>2</sup>
Novalastic	2.0-2.5	25-35°C	20-30°C
Lantex	1.5-1.8	15-25°C	0-15°C
K1-70	0.6	-	-

### NORTHSTONE (N.I.) LIMITED QUARRY & ASPHALT DIVISION

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