



TRP2



www.mallatite.co.uk

**MALLATITE, Hardwick View Road, Holmewood Industrial Estate,
Holmewood, Chesterfield, S42 5SA**

Tel: 01246 593280

Fax: 01246 593281

Email: sales@mallatite.co.uk

**MALLATITE, 1 McMillan Road, Netherton Industrial Estate,
Wishaw, Lanarkshire, ML2 0LA**

Tel: 01698 352888

Fax: 01698 352777



© SW1 Ltd 10 - 11265 www.sw1.co.uk

LET MALLATITE HELP YOU TO PROTECT THE PUBLIC WITH TRP2



AFFIX
STAMP
HERE

**MALLATITE
Hardwick View Road
Holmewood Industrial Estate
Holmewood
Chesterfield
S42 5SA**



Prevent lighting columns collapsing from base corrosion

Causes of Corrosion

Invariably when street lighting columns collapse it is due to base corrosion at, or near, the groundline. Corrosion can be internal as well as external. Acid soils, road de-icing salt, dog urine, acid rain, chemical weed killers as well as acid condensates from vehicle exhaust fumes, all cause ground-water contamination which leads to rapid corrosion unless the root is adequately protected.



Root Protection

Nowadays all street columns are galvanised but the zinc protection on the root will have a very short life if there is no additional protection - hence the need for a duplex coating. (Zinc + another).

Paint Systems

All paint systems have a limited life and, whereas above ground a good polyurethane paint may last 15 years, below ground it is a different matter. The root needs to last for 40-50 years without any other attention, so painting is not the answer.



Polymer Coatings

Although polyester coatings (thermosets), are sometimes used for decorative effects, they are thin (75-120 micron), brittle, not resistant to dog urine and have a relatively short life. Thermoplastic polymers are flexible with coatings of 450-600 micron thickness which resist UV radiation, are ideal for marine environments with windblown salt and sand, and have an extremely long life. Some manufacturers claim 100 years !

Thermoplastic Anti Corrosion System

MALLATITE has been using the Thermoplastic Anti Corrosion System to coat lighting columns for over 20 years for customers requiring whole-of-life protection for the complete column. Some of the largest local authorities, as well as contractors with PFI lighting contracts, now insist on Thermoplastic Anti Corrosion System to ensure an extremely long life for their columns. Minimum column life for a PFI contract has to be 30 years, although MALLATITE normally design for 50 years.



TRP²

Recently MALLATITE has made a massive investment in an automated plant, which Thermoplastic Anti Corrosion System coats the outside of a column root to the height of planting depth + 250mm, internal coating is optional.

This THERMOPLASTIC ROOT PROTECTION system, which gives TOTAL root protection, is particularly suitable for those not wishing to go to the expense of a totally coated column and who are satisfied with either a galvanised or painted finish for the rest of the column. For those who usually insist on additional metal thickness in the base of a column to safely allow for the corrosion, this double coating makes the additional expenditure for the heavier column unnecessary and, in some cases, the over all cost of the column can be lower with TRP² finish.

MALLATITE has a unique industry leading single site solution with all operations, including galvanising, on one site in Chesterfield.



For more information about TRP² or other MALLATITE products, please fill in the form below and post or fax back.

GET TO THE ROOT OF THE PROBLEM



For more information on our products please fill in this form and post or fax back to us

Name

Organisation

Address

Post Code

Telephone Number

Fax Number

Email

Enquiry

.....

.....

.....

.....

.....

.....

.....