



# Northern Express Glass Ltd.

## Oxidisation of Lead



BS EN 1279  
CMS 3044



BS EN 12150  
CMS 3032 T

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Oxidisation is a natural process which affects many materials including lead, when exposed to varying environmental conditions. Those conditions, rain, snow or any other weather cycle will determine the degree of severity of oxidisation and the time scale over which it will occur.

Oxidisation is far more likely to occur during winter conditions, with the weather attacking the shiny surface that the lead strip has, when first applied to glass. The natural colour of lead is a matt grey, so it is both normal and inevitable that discolouration will occur during that colour change over, this process although common knowledge to anyone within the industry is not always familiar with the householder.

Questions always arise about oxidisation, the most common being "How long will it take my lead to oxidise and look like my neighbours?". The answer cannot be given truthfully by anyone. Only the weather conditions can determine this.

During the oxidisation process it is not uncommon for different colours of bronze, blue or even gold to become visible. Once this has happened, it is a sign that the lead strip is forming its own protective barrier.

Normal cleaning of the windows with warm water and washing-up liquid will ensure that the lead is kept clean and natural oxidisation can take place.

The time of year will have an affect on how the lead will react, but by no means should there be any concern about the appearance, as this quite natural process will always take place.