

# ELIMINATION OF LEAD IN PAINT

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23<sup>rd</sup> May 2016





# Why is lead used in paints?

## Lead Driers

- Cost effective secondary drier

## Lead pigments

- Highly opaque
- Durable
- Relatively inexpensive

# Replacements to lead driers

- **The most effective replacement of lead drier is Strontium and Zirconium octoate.**
- **Requires little reformulation.**
- **Provides a comparable performance to lead drier**

# Replacements to lead pigments

1. Replacing lead pigments is technically challenging but possible. There is no 1:1 replacement of the individual pigments.
2. There are number of organic and inorganic pigments that can be blended together to produce the desired color and properties.
3. Inorganic pigments provide the opacity and weather resistance, whilst organic pigments are used to adjust color strength, hue and chroma.

# Replacements to lead pigments

4. The choice of pigments varies according to the type of paint (interior or exterior)
5. Paints for interior use do not need to have excellent light fastness or weather resistance. However paint for exterior use require pigments with good light fastness and weather resistance.



# Our contribution to being Lead Free

1. We phased out Lead Driers back in 1999, that is 17 years ago!
2. We were the first company in the Eastern Africa region to voluntarily migrate to Lead Free paint in 2013.
3. Our Duracoat range of decoratives has been lead free for three years.

**17 years without lead driers**

**2013-DURACOAT BECAME LEAD FREE!**

# Our contribution to being Lead Free

- Our economy range of paint is however not yet Lead free but we are still working on ways to make it possible and economically viable.
- We have also partnered with KIRDI on Lead Awareness since 2013 in various forums as well as donating our Lead Free paint to a primary school of 1,000 pupils in 2015.



# Lead Awareness Week 2015





# How can the industrial sector be engaged?

1. Awareness creation of the hazardous effect of lead in paint to consumers so that they too can push.
2. Voluntary substitution of raw materials containing lead as we have done.
3. Legislation-either limit or completely ban lead based paint hence; even out the market conditions for all manufacturers.

**THANK YOU!**

