Spotlight on beautiful waterborne Alkyds





The renaissance of Alkyds

Entering waterborne Alkyds

- 1. Waterborne Alkyds the sustainable option
- 2. Best in wood protection
- 3. Even better with Perstorp's Voxtar™





Drivers

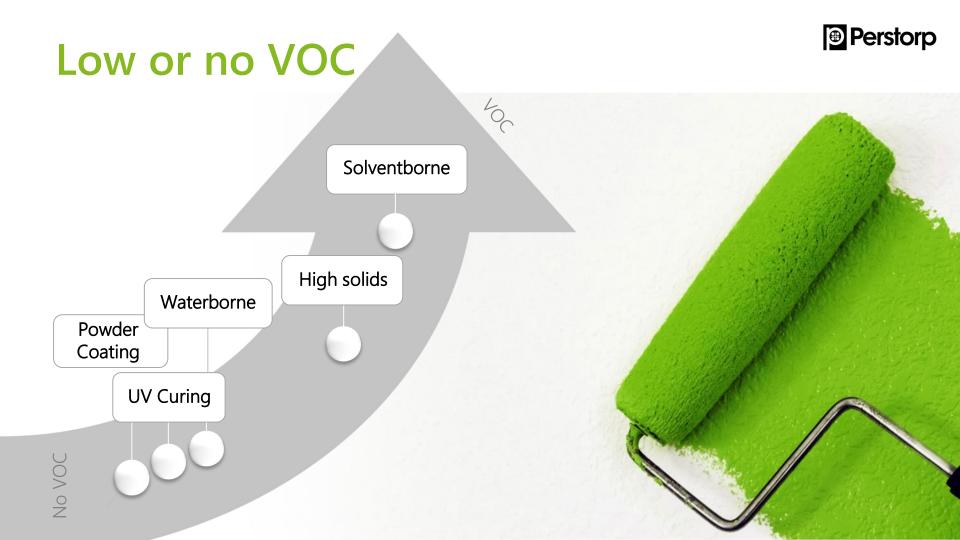


The Alkyd journey

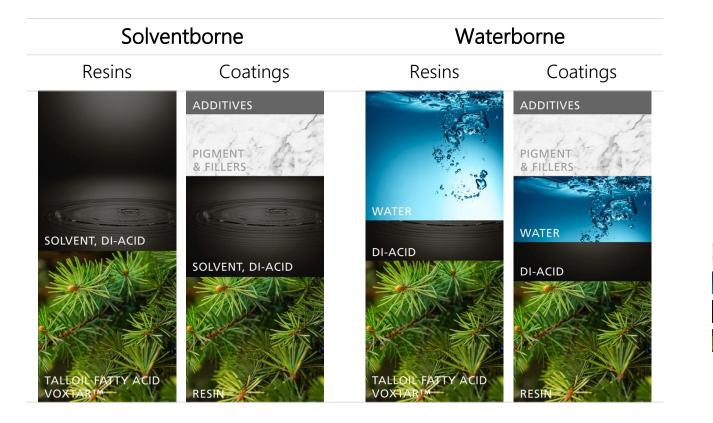




Shift in focus over the years resulted in a decline in Alkyd use



Waterborne or solventborne Alkyds











Waterborne Coatings

Alkyds Hybrides Acrylics **ADDITIVES** ADDITIVES ADDITIVES PIGMENT & FILLERS PIGMENT PIGMENT & FILLERS & FILLER WATER WATER WATER FOSSILE (DI ACID) FOSSILE FOSSILE RENEWABL FW/ABI









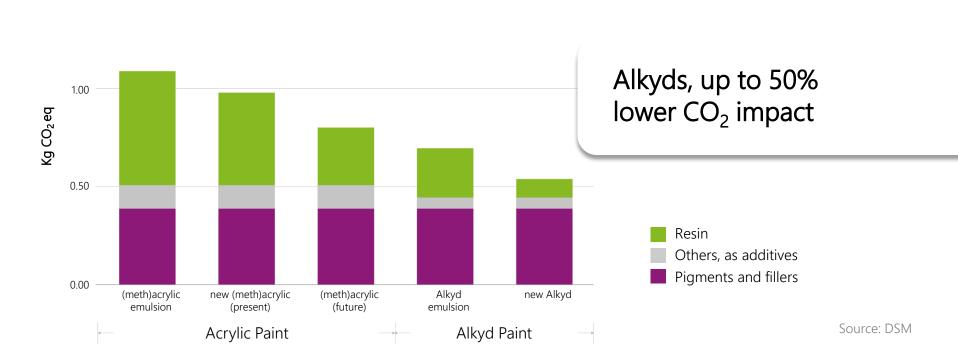




CO₂ impact

1.50







Market trends and drivers

VOC, Sustainability Waterborne alkyds for deco coatings Renewable raw material Renaissance for Alkyds Increase in wood construction

h performance & environmental friendliness

RENI

10000000



Entering waterborne Alkyds

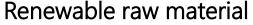
1. Waterborne Alkyds – the sustainable option

2. Best in wood protection

3. Even better with Perstorp's Voxtar™



Beautiful waterborne Alkyds





option Best in wood protection Even better with Voxtar™

The sustainable

Low carbon footprint

Outstanding wood protection





Even better with waterborne

➡ The sustainable option Best in wood protection Even better with Voxtar™

Solventborne

In general high VOC

Cobalt (listed as carcinogenic)

MEKO (carcinogenic)

Waterborne

Low or no VOC

Iron complex replacing Cobalt No MEKO

Beautiful Alkyds



 The sustainable option
Best in wood protection
Even better with Voxtar[™]

Oxidative process once paint is applied

No contact with air

In contact with air

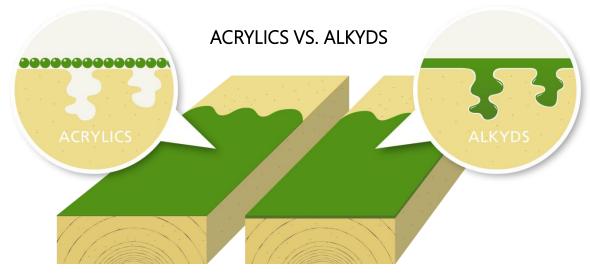


Dry

The only additive needed is air!

Best in wood protection

- Penetrates the wood for longer lasting protection
- Outstanding metal protection
- Acrylics forms a film on top of the wooden surface



Perstorp

The sustainable option Best in wood protection

Even better with Voxtar™

Even better with Voxtar™



VoxtarTM Pure advantage



Perstorp

➡ Even better with Voxtar™

Our green Penta – VOXTAR™

- ► Voxtar[™] Our range of renewable Penta products
- ▶ Up to 100 % renewable raw material*
- ▶ Up to 80 % lower carbon footprint**

Same trusted efficiency, security and high performance you expect from PENTA

* Based on a mass balance system ** Cradle to grave, compared to European average



Waterborne Alkyds

Our three developed technologies

Externally stabilized alkyd emulsion

Internal stabilized water thinnable

PUD alkyd technology

