



# TEKNODUR COMBI



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ULTRA DURABLE **POLYURETHANE** PAINTS

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# A HISTORY OF INNOVATION

## IT ALL BEGAN IN 1948

That was the year when an old farm with a hen house was leased for the purposes of paint making in Tuomarila, Espoo (Finland). The hen house was renovated and repurposed as a laboratory. Production started after this, with the strength of one man and a pan mill.

Teknos' first product was the caseine paint Tuomo, named after the locality of Tuomarila.

Our company's beginnings have been noted in the design of our logo, which sports both a cockerel and a paintbrush.



## IT'S ALL ABOUT INNOVATIONS

Our first major success was in 1949 with Ferrex anticorrosive paint.

Curiosity, solution-based thinking and an innovative approach played a big role in its creation, reflecting the fact that product development has been an important part of Teknos' operations from the very beginning.

The paint slowing down the process of corrosion on surfaces was a hit both in Finland and many other countries, as it met the needs of industries in many ways.



# OUR FINNISH FAMILY COMPANY

## 75 YEARS LATER

Although we have grown out of our henhouse and into a multi-national company, we are still proud to be family owned.

Our unique family culture, where each family member feels trusted, empowered and a sense of belonging are core to our behaviours and guide us in everything we do.

We are on a mission to make the world last longer for us and generations to come.

# TEKNODUR COMBI 3430

HEAT CURING POLYURETHANE PAINTS



DECREASED VOC EMISSIONS



ABRASION RESISTANT



LONG LASTING

## A HIGH SOLIDS PAINT WITH EXCELLENT MECHANICAL AND WEATHER RESISTANCE

TEKNODUR COMBI 3430 is a two-component anticorrosive pigmented polyurethane paint with low solvent content for steel, zinc and aluminum surfaces.

The painted surface is resistant to harsh mechanical abrasion and high UV radiation.

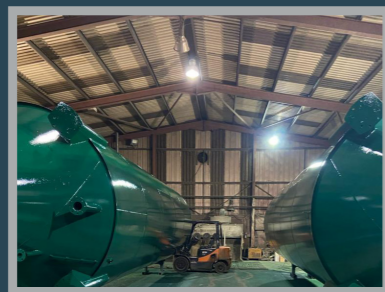
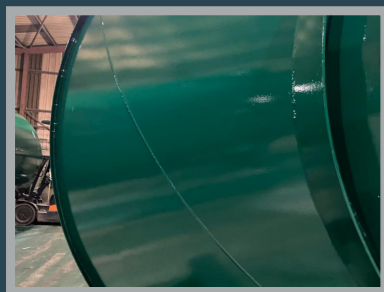
TEKNODUR COMBI 3430 is an excellent choice for machines and equipment operated in i.e. agriculture, forestry and steel construction.

FEATURES	BENEFITS
Direct-to-metal (DTM)	Fast production lead-time
High solids content	Decreased VOC emissions
Excellent UV and gloss resistance	High quality and durability
Highly resistant to mechanical abrasion	Long-lasting protection
Process-tolerant paint	Ease of application

## TEKNODUR COMBI 3430 – TEST RESULTS

TEST TYPE	REFERENCE	DFT (µm)	RESULTS
Pull-off adhesion	ISO 4624	100	Typical value over 10 MPa and even up to 20 MPa over Sa 2½ blasted steel
Salt spray	ISO 9227	80-120	No film defects after 240 hours (C3/M according to ISO 12944-6)
Condensation	ISO 6270	80-120	No film defects after 120 hours exposure (C3/M according to ISO 12944-6)
Gloss retention	ISO 11507	100	Typically 90% gloss retention after 1 000 hrs QUVA exposure
Mechanical abrasion	Taber test	100	Typical value 55 mg weight loss per 1 000 cycles using CS17 wheels and a 1 kg loading

Our experts are here for you, we can help you in optimizing the painting lines and processes making it as energy efficient as possible yet keeping the performance and high quality.



# TEKNODUR COMBI 3560

MOISTURE CURING POLYASPARTIC PAINT

## SAVE UP TO 90% ON ENERGY COSTS...

### MOISTURE CURING TECHNOLOGY

Heating an industrial oven can require a power supply of 50-100 kW, whereas moisture accelerated curing can be done for less than 1 kW. This means by switching from oven to moisture curing with 3560, up to 274,000 kWh in yearly energy savings can be made, all whilst increasing the productivity.

### LOW VOC EMISSIONS

Thanks to its high solids content, the TEKNODUR COMBI 3560 series emits a notably smaller quantity of VOC emissions than water-borne polyurethane paints do. This eliminates the need for a combustion plant and frees up resources for profitable investments.

### ONE COAT DOES IT ALL

Thanks to its anti-corrosion pigments TEKNODUR COMBI 3560 has a corrosivity category of **C4-M** at a dry film thickness of 120 µm and fulfils the ISO 12944 requirements for one-coat paints.

### SUPERIOR FINISH WHICH LASTS

- Tough and impact-resistant
- Weatherproof
- Resistant against many chemicals
- High UV resistance



## FASTER PROCCESSING

Our clients have doubled and even tripled their production with TEKNODUR COMBI 3560

Direct to metal - One layer system, with no primer required

Very fast drying - Assembly can begin from just 90 minutes after painting



**VOC REDUCTIONS  
UP TO 90%**



**ANTI-CORROSIVE**



**RESISTANT**



**ENERGY SAVING**

# SUSTAINABLE SOLUTIONS

## HELPING YOU MEET YOUR CO<sub>2</sub> EMISSIONS TARGETS

Our experts are trained to consult on how to lower your energy consumption

We support and advise on:

- Optimising coating application
- Reducing overuse and waste
- Improving process quality
- Implementing sustainable practices
- Maintaining equipment
- Drying and curing systems
- Surface preparation
- ...and more



# WE MAKE THE WORLD LAST LONGER

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