



TEKNODUR COMBI 340

Direct-to-metal high-solids polyurethane paint

TEKNODUR COMBI 340 is a two-component anticorrosive pigmented polyurethane low VOC paint (275 g/l) for steel surfaces. The painted surface resists exposure to mechanical abrasion, impacts, chemicals and UV radiation. TEKNODUR COMBI 340 is an excellent choice in terms of surface appearance for machines and equipment operated in agriculture, forestry and steel construction, among other industries.

Thanks to its outstanding finishing parameters, TEKNODUR COMBI 340 ensures the ideal outcomes for the customer's needs. Teknos has done comprehensive test paintings themselves as well as on customer sites. Our expertise and knowhow are at your service!

- DTM
- HIGH SOLIDS
- WEATHER RESISTANT
- UP TO HIGH-GLOSS

A HIGH-SOLIDS PAINT WITH EXCELLENT MECHANICAL, CHEMICAL AND WEATHER RESISTANCE

FEATURES & BENEFITS FOR APPLICATOR

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|---|---|---------------------------------------|
| Direct-to-metal (DTM) | ➔ | Fast production lead time |
| Wet on wet with selected primers | ➔ | Faster throughput for 2-layer systems |
| Low viscosity & high solids content, 70 vol-% | ➔ | Decreased VOC emissions |
| Process-tolerant paint | ➔ | For varying painting lines |
| High sagging resistance | ➔ | Ease of application |
| Better flow and gloss | ➔ | Outstanding appearance |

FEATURES & BENEFITS FOR END CUSTOMER

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|------------------------------|---|------------------------------------|
| Excellent weather resistance | ➔ | Super good gloss & color retention |
| Impact resistance | ➔ | Long-lasting protection |
| High chemical resistance | ➔ | Long-lasting protection |
| Gloss level up to 90 GU/60° | ➔ | Outstanding appearance |

TEKNODUR COMBI 340 – 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	120	No film defects after 480 hours (C4/M according to ISO 12944-6)
Condensation	ISO 6270	120	No film defects after 240 hours exposure (C4/M according to ISO 12944-6)
Gloss retention	ISO 16474-2	100	Typically 80% gloss retention after 2000 hrs Xenon exposure
Mechanical abrasion	Taber test	100	Typical value 120 mg weight loss per 1 000 cycles using CS17 wheels and a 1 kg load
Flexibility	ISO 1520	120	> 5 mm without cracking or delamination of paint film

CORROSION RESISTANCE

Up to C4 Medium (ISO 12944-6)	one-layer system
Up to C5 High (ISO 12944-6)	with TEKNOZINC 3233 primer

REFERENCES

Ponsse

Modern Ponsse harvesters have a lot of different parts and coating needs. The hydraulic cylinders are coated with TEKNODUR COMBI 340. These cylinders need to be chemically pretreated and the 340 has proven to be an excellent choice for its great adhesion, surface quality and corrosion protection.

“We have had no quality problems since we started using the 340. With this product it is possible to get as high as C4 medium with a one-layer system. Adhesion has been excellent and we are very happy with the surface quality as well as corrosion protection the product provides.”

Hannu Tarvainen, Surface Treatment Specialist, Ponsse Oyj



Vilakone

Wille 665 – a machine for environment and property maintenance work – is mainly coated with powder coatings. Challenging, smaller and more complex parts, like hydraulic cylinders are painted by hand with TEKNODUR COMBI 340.

“We are very pleased with the 340, since it is easy to apply, the finish is smooth and very hard. The appearance is almost as good as with powder coatings. We are also happy with the technical support and customer service we get from Teknos.”

Heikki Ketola, Vilakone Oy