

# Beltidra 2C Topcoat CD4NL

Fast curing waterborne topcoat with extremely low co-solvent content

## Product description

Beltidra 2C Topcoat CD4NL is a waterborne, fast curing, two component polyurethane topcoat. It offers best in class co-solvent emissions (<100 g/l), excellent mechanical properties and a smooth and glossy finish. It is optimised for both automated and manual application.

Beltidra has been designed to match quality levels achieved by solvent-borne solutions for heavy duty equipment, trucks and components; especially when used in combination with Hempel's waterborne two-component epoxy primer systems.

## Typical use

Beltidra 2C Topcoat was developed to ensure an aesthetic appearance and, in combination with suitable primer systems, very good corrosion protection of heavy duty equipment. It is the perfect choice for various parts of trucks, agricultural and construction machinery where chemical resistance and excellent mechanical properties, including scratch and stone chip resistance, are required to withstand potential damage from the earth, stones, and similar materials. Thanks to these qualities it complies with typical specifications of major truck manufactures.

Beltidra 2C Topcoat is compatible with various e-coat systems and therefore is a good choice as a topcoat on e-coat treated parts.

It forms a smooth and glossy finish with very good colour and gloss retention.

Beltidra 2C Topcoat has over 20 years of track record in demanding conditions, e.g. as a topcoat for truck chassis including e-coat treated parts.



Features	Customer benefits
Very low co-solvent emissions	Meets strict limits on VOC emissions; sustainable production
Fast curing at various conditions	Fast throughput, increased productivity
Excellent mechanical properties	Resistant to stone chips and other mechanical damage; compliant with specifications of major truck manufacturers
Application robustness	Suitable for various application and curing conditions and methods
Good gloss and colour retention	Nice aesthetic appearance even after years of service

# Flexibility to meet individual customer needs

Beltidra 2C Topcoat is optimised both for various application and curing conditions:

- ✓ Suitable for various application conditions: automatized line, manual application
- ✓ Suitable for various application equipment: gravity gun, airless, airmix
- ✓ Suitable for various curing methods: at room temperature, forced curing; it features fast curing\* even at 18 - 20°C / 50% relative humidity

\*Depending on the curing agent.

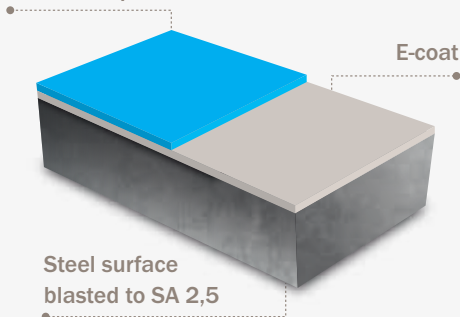
It is available in RAL uni colour shades, customized colour shades and can be multi-tinted upon request.

As we realise the importance of meeting various individual customer needs, we are willing to offer customised versions to meet special requirements, such as gloss level etc.

## Typical specifications

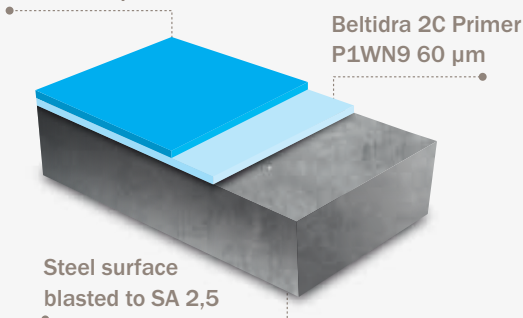
### System with e-coat

Beltidra 2C Topcoat  
CD4NL 50 µm



### Waterborne system

Beltidra 2C Topcoat  
CD4NL 50 µm

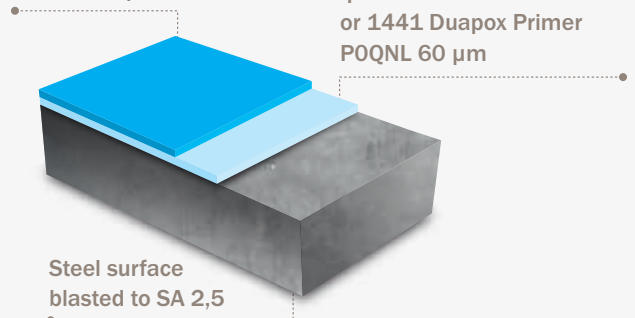


Parameters	
Colour shade	Multi-tint
Finish	High gloss > 80 @60° (mat, semi-gloss or glossy or upon request)
Dry to handle (20°C):	3 - 4 h
Assembly dry (60°C):	20 - 30 min (object temperature)
DFT range:	40 - 60 micron
Volume solids:	43% +/- 2%
Theoretical spreading rate:	11 m²/l - 50 micron DFT
Specific gravity:	1,47* kg/l
VOC:	<100* g/l (72 g/l for the mix incl. 13% of water)
Pot life (20°C):	min. 8*h
Application equipment:	Gravity gun, airless spray and airmix

\*With standard curing agent H12NL or H1LNL. May vary with other curing agents.

### Solvent-borne / Waterborne system

Beltidra 2C Topcoat  
CD4NL 50 µm



### Hempel Industrial B.V.

Gildestraat 9, 8263 AH Kampen, The Netherlands

Tel: +31 (0)384 211345 Fax: +31 (0)38 4221080

E-mail: [hempelindustrial@hempel.com](mailto:hempelindustrial@hempel.com)

[hempel.com](http://hempel.com)