

# DIAMONTCLEAR CP

## C 2450

### HS clear coat universal variant FLEX

- Application:** Plasticiser for use in R-M DIAMONTCLEAR CP.
- Key Features:** FLEX increases the flexibility of polyurethane products, making it possible to paint plastics and composites regardless of their flexibility.
- Remarks:**
- The amount of FLEX to be added to the 2K products varies and depends on the flexibility of the plastic to be painted.
  - Do not add FLEX to the clear when applying a clear-over-base system with ONYX HD to rigid plastics.
  - The addition of FLEX does not change the potlife significantly.

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<b>Solid Content</b>	61 % +/-2
<b>Density</b>	0.97-1.07 g/cm <sup>3</sup>
<b>Storage temperature</b>	5-45 °C
<b>Shelf life</b>	36 months

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**Mixing Ratio PreMix**

300 Parts by volume	C 2450 HS clear coat universal
60 Parts by volume	A 2420 Plasticizer for polyurethane products

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**Safety advice:**

It cannot be ruled out that this product contains particles < 0.1 µm. The products are suitable for professional use only. For the use of this product please adhere to the actual safety recommendations and the personal protective equipment. The data contained in this publication are based on our current knowledge and experience. In view of the many factors that may affect processing and application of our products, these data do not relieve processors from carrying out their own investigations and tests; neither do these data imply any guarantee of certain properties, nor the suitability of the products for a specific purpose. Any descriptions, drawings, photographs, data, proportions, weights etc. given herein are for general information purpose only; they may change without prior information and do not constitute the agreed contractual quality of the products (product specification). The latest version supersedes all previous versions. You can obtain the latest version from our website at [www.rmpaint.com](http://www.rmpaint.com) or directly from your sales partner. It is the responsibility of the recipient of our products to ensure that any proprietary rights and existing laws and legislation are observed.



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**Mixing Ratio**

360 Parts by volume PreMix



**Hardener**

120 Parts by volume H 420 Hardener, medium



**Thinner**

100 Parts by volume SC 820 Thinner, fast



**Spray viscosity at 20°C**

DIN 4: 20-23 s

**Potlife at 20°C**

2 h

ISO 4: 52-62 s



**HVL spray gun**



**Compliant gravity-feed spray gun**

		HVL spray gun	Compliant gravity-feed spray gun
<b>Application pressure</b>	<b>bar</b>		2
<b>Nozzle pressure</b>	<b>bar</b>	0.7	
<b>Nozzle size</b>		1.3	1.3-1.4
<b>Number of spray coats</b>			2
<b>Flash off at 20°C</b>	<b>min</b>		3 between coats
<b>Film thickness</b>	<b>µm</b>		40-60

**Application Remark**

On vertical surfaces, apply one thin and one full spraycoat without intermediate flash-off (film thickness of approx. 50 µm).

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#### Drying



Drying at 60°C 30 min



Infrared (short wave) 8 min

Infrared (medium wave) 10-15 min

#### Drying Remark

The addition of FLEX increases the drying times of the products. Do not force-dry refinishes on PU foam because this might lead to pin holing defects.

Please note: For automotive refinish, repair instructions of vehicle manufacturers, in particular regarding installed sensor technology, must always be observed in addition to the processing instructions given within this document.

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