



Technical Data Sheet

COBRA SPRAY 2K DTM


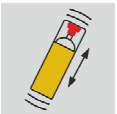
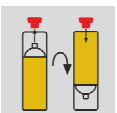
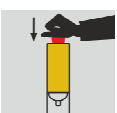
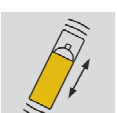
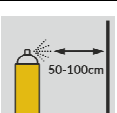
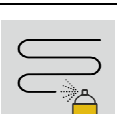
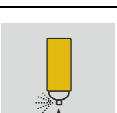
2-Component Polyurethane Bedliner

PROPERTIES	
<p>The COBRA SPRAY 2K DTM (Direct To Metal) is a special protective coating intended for metal surfaces (bare and galvanised steel and aluminium). The coating protects against corrosion (even without an anti-corrosion primer) and mechanical damage.</p> <p>The coating is available as a 2-component spray (the spray can has an internal container with a hardener, which initiates a chemical curing reaction when pierced and mixed with the other component). The chemical curing reaction provides very high mechanical resistance of the protective coating that can be applied without any extra tools (a spray gun and an air compressor).</p> <p>The COBRA SPRAY 2K DTM is excellent for creating protective coatings on small and average-sized surfaces against mechanical damage and UV light with a controllable finish texture (fine, moderate, or rough-grained).</p> <p>Key features:</p> <ul style="list-style-type: none"> • Provides anti-corrosion protection through DTM (direct to metal) on bare steel, galvanised steel and aluminium without any anti-corrosion primer • Excellent mechanical protection, high hardness, and impact strength • Excellent adhesion to different substrates (bare steel, galvanic coating, hot-dip zinc coating, and aluminium) • Combines the convenience of spraying with superior product quality (the product is a 2-component, chemically cured coating) • 2K spray can: hardener inside the can • No additional tools required (such as a spray gun or air compressor) 	
APPLICATION	
<ul style="list-style-type: none"> • Applied on chassis, body panels, boot/trunk interiors, SUV body floors, tube guards, wheel arches, off-road vehicle load bodies, and truck and bus floors • For protection of motor vehicle body and chassis parts, like rocker panels, suspension components, wheel arches, etc. • For protection of various metal products, like gates, fencing, railings, bowers, tools, etc. 	
SUBSTRATES	
Steel	Degrease, dry sand with P220, and degrease again.
Galvanised steel	Degrease, matt with abrasive cloth, and degrease again.
Aluminium	Degrease, dry sand with P280 ÷ P360 or matt with abrasive cloth, and degrease again.
Polyester laminates	Degrease, dry sand with P280, blow off the dust and degrease again.
Two-component epoxy primers	No sanding for up to 12 hours after the application; sand with P320 afterwards, blow off the dust and degrease.
Two-component acrylic primers	Dry sand, smooth with P240 ÷ P320 to finish, blow off the dust and degrease.
Polyester fillers	Dry sand, smooth with P240 ÷ P320 to finish, blow off the dust and degrease.
Wash primers	Apply when dry.
Plastics	Degrease with PLUS 780, matt with abrasive cloth, and degrease again. Apply the PLUS 700 Adhesion Promoter.
<p>CAUTION! Do not apply on single-component products.</p> <p>CAUTION! If very high anti-corrosion protection is required, additionally undercoat with an epoxy primer.</p>	



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VOC CONTENT	
VOC II/B/e limit*	840 g/l
Actual VOC	473 g/l
* For a ready for use mixture acc. to EU Directive 2004/42/CE	
PROCEDURE	
	Degrease and sand.
	Shake the can for 2 min.
	Remove the button from the cap, turn the can upside down and install the removed button in the can base.
	To activate, do not remove the cap. Place the can on a firm surface and press the installed button down to release the hardener into the spray can.
	Shake the can for 2 min to mix the components. The pot life of the resulting mixture in the can is 2 h maximum at 20°C.
	Application: keep a distance of 0.5 ÷ 1 m.
	The minimum number of layers is 2. The flash-off time between layers at 20°C is 15 min. A single layer DFT can be up to 100 ÷ 250 µm depending on the finish texture required.
	Turn the can bottom up and press the spray valve for 5 s to purge clean.
CAUTION! Do not apply on the exhaust system or the engine.	



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FINISH TEXTURE OPTIONS – APPLICATION METHOD-DEPENDENT	
Flat, coarse texture	<p>Apply a thick, solid layer from a distance of approx. 0.5-1 m in slow, steady strokes to keep the film continuous.</p> <p>Turn the can bottom up and press the spray valve to purge clean.</p> <p>Leave for 15 min and apply a second layer in the same way.</p> <p>Turn the can bottom up and press the spray valve to purge clean.</p>
Coarse texture	<p>Apply a thick, solid layer from a distance of approx. 0.5-1 m in slow, steady strokes to keep the film continuous.</p> <p>Turn the can bottom up and press the spray valve to purge clean.</p> <p>Leave for 15 min and apply a second, thinner layer by spraying from a larger distance in steady but faster strokes.</p> <p>Turn the can bottom up and press the spray valve to purge clean.</p>
Moderate texture	<p>Apply a layer thinner than usual from a distance of approx. 0.5-1 m in fast strokes.</p> <p>Turn the can bottom up and press the spray valve to purge clean.</p> <p>Leave for 15 and apply a second layer in the same way.</p> <p>Turn the can bottom up and press the spray valve to purge clean.</p>
Fine rough texture	<p>Apply a light and non-fully hiding layer in droplets from a distance of approx. 0.5-1 m.</p> <p>Turn the can bottom up and press the spray valve to purge clean.</p> <p>Leave for 15 min and apply a second layer that is to be very thin, keeping a larger distance than before, to obtain a uniform texture.</p> <p>Turn the can bottom up and press the spray valve to purge clean.</p> <p>Given the small thickness of the coating, an epoxy primer is recommended before applying the COBRA SPRAY 2K DTM.</p>
<p>The yield of a single can depends on the texture and varies from 0.5 to 1.3 m².</p> <p>CAUTION! It is recommended to do a spray-on test before application.</p>	
DRYING	
<p>The COBRA SPRAY 2K DTM can be cured at 40°C within 2h from the last layer. The recommended time of curing in heat is 1 h.</p> <p>CAUTION! Note that the curing in heat will only accelerate the first stage of curing; it is best to wait 7 days until the coating cures fully before heavy-duty use of the coated workpiece.</p> <p>Drying with IR lamps is not recommended.</p>	
CURING TIMES	
Dust-free	15 ÷ 20 min / 20°C
Tack-free	1.5 h / 20°C
Operating hardness	3 days / 20°C
Final hardness	7 days / 20°C
OVERCOATING	
<p>The COBRA SPRAY 2K DTM can be overcoated with base coats, clearcoats, or topcoats.</p> <p>Leave for a minimum of 2 h before overcoating.</p> <p>If more than 24 h has passed from the COBRA SPRAY 2K DTM application, matt the coating with abrasive cloth or sandpaper and degrease with PLUS 780.</p>	



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STORAGE CONDITIONS	
Store in a dry and cool room, away from sources of fire and heat. Avoid direct exposure to sunlight.	
SHELF LIFE	
COBRA SPRAY 2K DTM	24 months / 20°C
SAFETY	
See the Safety Data Sheet.	
OTHER INFORMATION	
Index number: 000024104 The effectiveness of our systems results from laboratory research and many years of experience. The data contained in this document reflects the current knowledge about our products and their application potential. We can ensure high quality, provided the user follows the instructions and the work is performed in accordance with good workmanship. It is necessary to perform a test application of the product due to its potentially different reaction with different materials. We cannot be held liable for defects if the final results are affected by factors beyond our control.	