



ChemtechCOV
(Chlorinated Rubber)
 氯化橡胶



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INVENTING FOR YOU 为你而创造

在如今竞争日益激烈的环境中，客户对产品的质量，耐用性，可持续性以及美观性的要求日益提高，同时他们也有了更多的其他选择。这就会导致你的生产成本不断上升。你的需求，激发了我们的创造能量，我们要为了你的进步，为了你的利润做创新，我们承诺将不断地为您搜寻一切能够带来突破的因素。这些因素能帮助你的事业进步，能增长您的利润并使您的解决方法更加安全。这就是我们给正在做的这个创新过程的一个定义：发明。

As your leading partner for polyurethane chemistry, we know you are competing in increasingly challenging environments. Your customers are becoming more and more demanding in their expectation for quality, durability, sustainability and aesthetics of products. And they have more choices. For you, this means that cost pressure is rising while innovation cycles are becoming faster and faster. Thus, we are committed to constantly search for things that will make a real difference to you. Things that will make your business grow, help you driving profitability and make your solution safer. This we do with a very specific understanding of innovation which we call inventing.

近来，在工业流程中对产品质量的要求是非常高的。但是与此同时，也需要降低生产成本。这两个目标可以通过提高生产效率同时达到。在复杂的生产过程中，包含了涂料的生产和吸附剂的生产，这些生产过程提供给我们提高生产效率的机会。实现重大的过程最优化和成本削减是有可能实现的，比如，通过加速固化和缩短过程时间。我们拥有独特的公司设置和全球的网络信息。并且拥有先进的生产基地，研发机构，顾客技术中心，业内领先的物流配置，国际定位，本地的库存布局，庞大的产品信息库以及最高规格的健康，安全和环境保护的标注。另外，定制的供应链确保了较短的交货期和灵活性。

Nowadays, the quality demands made on industrial processes are very high. But at the same time there is a clear need to cut costs. Both goals can be achieved by increasing process efficiency. The complexity of the processes involved in manufacturing coatings and adhesives offers us various opportunities to enhance process efficiency. Significant process-optimizing and cost-cutting gains are possible, for example through faster curing and shorter process times. Our company has its unique setup and worldwide network of state-of-the-art production sites, R&D facilities and customer technical centers, industry-leading supply chain setup, global orientation and local stocks, extremely large product portfolio, highest health, safety and environmental (HSE) standards, as well as tailored supply chain flexibility with short lead times.



Chemtechcov(氯化橡胶)以高质量的表现应用在多领域中

我们承诺将最大程度的优化生产过程，减少物流的影响，沿着价值链实现可持续性。可再生的原料为涂料和粘合剂中发展可持续模块提供了帮助。这会使产品在很大程度上减少对碳的利用，并且减少对石化资源的依赖。但是为了创造更多的可持续的解决方案，不仅仅是可能的，而是要可行的，这就对我们的原料提出了更高的要求以满足更高的工业化的标准。为此，我们在评估使用中的可再生原料并且扩大我们的产品目录，包括新的基于生物技术，中长期的，具有性价比的产品。使这些原料更加具有商业价值。通过这些努力，我们承诺将关注产品的性能并且专注于新开发的产品，使他们具有更好的可持续性。

Chemtechcov® (Chlorinated Rubber): High quality for wide range of applications

We are committed to optimizing our manufacturing process, reducing the impact of logistics, and enabling sustainability along the value chains. Renewable feedstock offer opportunities for developing more sustainable building blocks for coatings and adhesives— with significant potential for reducing the carbon footprint of end products while also reducing our overall dependence on fossil-based resource. But to make more sustainable solutions not just possible but also economically feasible, the performance of all our feedstock needs to satisfy high industry standards. To this end, we are evaluating the use of renewable raw materials and will enlarge our product portfolio with new bio-based and mid to long term cost competitive products, provided the raw materials become commercially available. In all these efforts we are committed to focusing on products that perform at least as well as established products but are at the same time more sustainable.

我们有一组涂料和胶粘剂的原材料，这些原材料是基于氯化橡胶的，我们的Chemtechcov(氯化橡胶)系列。作为一款高端防腐的涂料，Chemtechcov(氯化橡胶)使众多基板的高吸附，简易加工性和良好的抗性有效地结合。另外，它也应用在涂料中，包括马路标记，印刷油墨和游泳池油漆等。当Chemtechcov(氯化橡胶)使用在溶剂接触胶粘剂的时候，它会增加粘合剂的强度。作为胶粘剂系统本身，Chemtechcov(氯化橡胶)可以用作耐用橡胶金属粘合剂。

As a binder in premium anti-corrosion coatings, Chemtechcov (Chlorinated Rubber) impressively combines good adhesion properties on numerous substrates with easy processability and high resistance qualities. Additional coating applications for Chemtechcov(Chlorinated Rubber) including roadway markings, printing inks and swimming pool paint. When Chemtechcov(Chlorinated Rubber) is used in solvent-borne contact adhesives, it increases bond strength. As an adhesive system in its own right, Chemtechcov(Chlorinated Rubber) can be used as a durable rubber – to– metal adhesive.



优异的特性:

- 操作过程简洁，干燥速度快。
- 对金属和矿物质的吸附性强（钢，铁，锌）。
- 在几年之后，优异的可重新使用的能力。
- 高防腐度。
- 高防化学制品能力，包括酸、水、盐等。
- 高防环境影响能力。
- 适用于防化学污染的涂料。
- 能在许多溶剂中溶解，可以稳定地溶解于甲苯、二甲苯等有机溶剂中，形成无色或淡黄色的透明溶液，它不溶于乙酸脂肪烃类溶剂。
- 能与多种树脂，高分子聚合物，塑化剂，颜料和过滤器相作用。
- 与大多数的增塑剂相容。最常使用的是氯化石蜡。例如52° 氯化石蜡，根据对涂层的不同要求，所推荐的氯化橡胶对氯化石蜡的使用比例是5:1。此外，Chemtechcov同醇酸、丙烯酸树脂相容。
- 单一组件应用。
- 具有抗微生物、霉菌、真菌的能力。

应用:

- 溶剂、快速干燥防腐涂料和地板涂料。
- 应用于室内外的底漆,中间漆或面漆。
- 道路标记和信号指示颜色。
- 游泳池用漆。
- 印刷油墨。

Beneficial properties:

- Easy processing and fast drying
- Good adhesion to metals (steel, iron, zinc) and mineral substrates
- Excellent repaint ability even after many years
- High corrosion resistance
- High chemical resistance to acids/bases and saline solutions
- Resistance to environmental influences
- Suitable for anti-fouling coatings
- It is soluble in many solvents and become colorless or faint yellow transparent liquid. Also, it is insoluble in ethanol fat hydrocarbons solvents.
- Good compatibility with numerous resins, polymers, plasticizers, pigments and fillers
- It is compatible with the majority of plasticizers. The most used plasticizer is chlorinated paraffin with a chlorine content of 40–50%. With chlorinated paraffin 52° , the recommended portion of chlorinated rubber to chlorinated paraffin is 5:1. Chemtechcov also has a good compatibility with acrylic resin and alkyd.
- One-component application
- Resistant to bacteria, mold and fungus

Applications:

- Solvent-borne, fast drying corrosion protection coatings and floor coatings
- Suitable as a primer, intermediate coat or topcoat in indoor and outdoor applications
- Roadway markings and signal colors
- Swimming pool paint
- Printing inks

快速地进入并实现在聚氨酯中的创新

创新是我们的生命线。我们不断推动聚氨酯在涂料和粘合剂方面的技术创新，与此同时，也推进了在其他方面的应用。作为我们的合作商，您会感受到聚氨酯快速发展的过程，您也将帮助我们继续开发下一代的聚氨酯的创新以满足更大的挑战和更加丰富的工业应用。在这里，我们能为您提供这些：

您将快速地了解我们的产品是如何创造的，以及新的聚异氰酸酯和新的聚氨酯混合动力技术。

您将了解新产品技术的应用前景，以及如何最好的有效使用的过程。

您将得到更具有可持续发展的、生物化的或者以二氧化碳为基础的材料，并且不牺牲产品的高性能。

Fast-lane to access to polyurethane innovations

Innovation is in our DNA. We have been driving polyurethane innovations in coatings and adhesives as well as other application areas. As our partner you enjoy fast-lane access to polyurethane innovations, and can help us develop the next generation of polyurethanes to meet new challenges and needs from different industries. Here, these are what we can do for you:

Powerful know how on both established and new polyisocyanates, as well as on new polyurethane hybrid technologies.

The prospect of new application technologies to enable efficient process.

More sustainable, biomass or CO₂- based materials that do not sacrifice high performance.

产品规格 Chemtechcov (Chlorinated Rubber) Specification:

型号 Grade 项目 Item	Paint涂料级				Adhesive胶黏剂级				
	HD-5	HD-10	HD-20	HD-22	HD-40	HD-90	HD-130	HD-170	HD-400
含氯量Content of Chloride (%) ≥	65								
黏度 (mPa.s)(20%二甲苯溶液25℃) Viscosity (mPa.s)(20% xylene solvent at 25℃)	5-8	8-13	16-24	16-24	33-51	74-110	120-180	130-200	350-450
最大溶解度Maximum Solubility %	60				40				
干燥减重Loss on drying (%) ≤	0.6								
外观Appearance	白色粉末 white powder								

注:

- 1、HD-5是公司新开发的低粘度型号，可以帮助客户在涂料配方提高固含量，实现低于420g/L的VOC排放标准。
- 2、所有的牌号都不含有四氯化碳。
- 3、本产品属非危险品，化学性能稳定。

Comments:

- 1.HD-5 is a newly developed product with low viscosity and it can help customer rise solid content in coating and reach the VOC standard which is under 420g/L.
- 2.Each grade of Chemtechcov® is free from carbon tetrachloride (CTC).
- 3.It is non-dangerous goods with stable chemical properties.



High Performance
Open Communication
Novel Innovation
Global Perspective
Developable Strategy
Awesome Potential

