

Composite Covers



Compolite® specialist customize the watertight conductive composite cover only for gas station, the light weight and central/offset manual dip holes designs reduce cover opening and manual dip work loads for the people in the gas station

Light Weight, Open Easily

Advanced and reasonable structure designs, being made with high-quality GRP composite materials and pioneering production technologies, all of those make **Compolite**® composite cover lighter weights and stronger loading rates. Compared with other covers of the same sizes and the loading rates, **Compolite**® composite cover only weigh 10% of cast iron covers and 60% of SMC covers. Light weight reduce greatly cover opening work loads in the gas station.

Watertight

All the **Compolite**® composite covers are assembled with watertight sealing gaskets, which prevents the water and dusts outside from entering into the sumps and also prevents the release of gas inside from penetrating into the soils. It can protect the pumps, valves in the tank sumps and increase their life span.

Anti-static Electricity

Compolite® composite covers are conductive, which eliminates the potential fire risk caused by static electricity in gas station.

Heavy Duty Load Rating

Compolite® composite cover conforms to BS EN 124-1994 gully tops and manhole tops for vehicular and pedestrian areas-design requirements, type testing, marking, quality control. The heaviest load ratings reach the requirements of E600 levels (load rating 60 tons).

Central/offset Dip Hole

We open the central/offset holes for the series covers RCC900/RCO9000/MS1400 which are normally installed on the fuel tank manhole. People only need to open the small dip cover in the big manhole cover to dip manually. It helps reduce the daily manual dip work loads greatly.

Five Colors Available for Covers

There are five colors available in **Compolite**® composite covers, different colors can be identified with different petrols and usages, which will improve the appearance of the gas station. The whole body is the same color which is not painted.

Long Life

Compolite® composite covers are made by high-quality resin and fiberglass with ageing-resistance, which makes our cover life live more than 30 years.



Application Area

Heavy Duty Cover (Load ratings C250, D400 and E600 of EN124-1994) is mainly installed in the areas below:

- Vehicular areas in the forecourt in gas station, e.g. fuel tank manhole sumps, fuel filling hand hole, vapor recovery hand hole, grounding points hand hole, manual dip hand hole, monitoring well and so on.

Light Duty Cover (Load ratings B125 of EN124-1994) is mainly installed in the areas below:

- Pedestrian and non-vehicular areas in the backyard in gas station, e.g. fuel tank manhole sumps



HRC4500 Serials Watertight Round Composite Cover– Heavy Duty

Watertight round composite covers contain three parts: composite cover, composite frame and watertight seals. The clear opening diameter of frames is 450 mm. They are installed typically in the carriage road areas for all types of vehicles for direct fill, remote fill, vapor recovery, manual dip, monitoring well, grounding point, draw pit access and so on in the forecourt of gas station. Conform to the standard EN124-1994

HSC4500 Serials Watertight Square Composite Cover– Heavy Duty

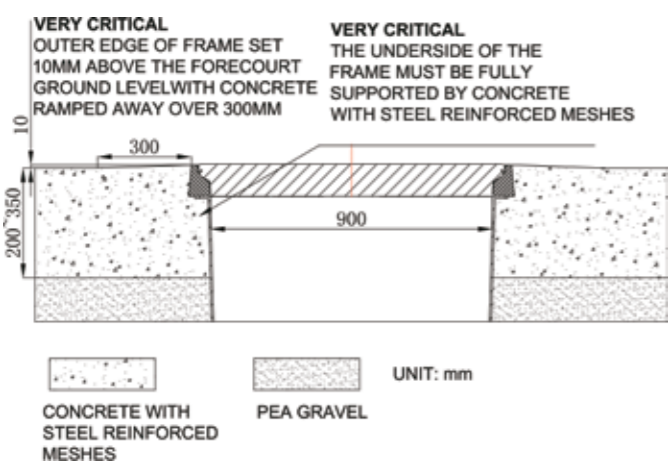
Watertight square composite covers contain three parts: composite cover, composite frame and watertight seals. The clear opening size of frames is 450 mm*450 mm. They are installed typically in the carriage road areas for all types of vehicles for direct fill, remote fill, vapor recovery, manual dip, monitoring well, grounding point, draw pit access and so on in the forecourt of gas station. Conform to the standard EN124-1994

Product Approval

- BS EN 124-1994 gully tops and manhole tops for vehicular and pedestrian areas-design requirements, type testing, marking, quality control. C250, D400, E600
- Specification for degrees of protection provided by enclosures (IP code) IPX6
- GB13348-92 Static Electric Safety Regulations for Liquid Petrol Products

国家建筑工程质量监督检验中心检验报告		国家建筑工程质量监督检验中心检验报告	
TEST REPORT OF NATIONAL CENTER FOR QUALITY SUPERVISION AND TEST OF BUILDING ENGINEERING		TEST REPORT OF NATIONAL CENTER FOR QUALITY SUPERVISION AND TEST OF BUILDING ENGINEERING	
报告编号 (No. of Report): BCTC-CL1-2010-1865 共2页第1页 (Page 1 of 2)		报告编号 (No. of Report): BCTC-CL1-2010-1865 共2页第2页 (Page 2 of 2)	
委托单位 (Client):	北京康华特种材料有限公司	检测项目 (Test data):	2010-1865-1 2010-1865-2 2010-1865-3
地址 (Add):	北京市通州区石渠营东里126号	检测日期 (Test date):	2010/10/12
样品名称 (Sample Name):	复合材料井盖、井圈	检测标准 (Test standard):	GB13348-92
规格 (Specification):	规格型号: BCTC4500D-D400	检测结果 (Test result):	符合
生产厂家 (Manufacturer):	北京康华特种材料有限公司	试验荷载 (Test load):	未见开裂 未见开裂 未见开裂
选择日期 (Date of choice):	2010/10/12	破坏荷载 (Failure load):	—
工程名称 (Project name):	—	检测照片 (Test photo):	—
检测地点 (Test location):	检测中心实验室	试验照片 (Test photo):	试验照片 破坏状态照片
检测依据 (Reference documents):	GB124-1994 检测标准	试验照片 (Test photo):	—
设备 (Equipment):	力学试验机、游标卡尺、游标	试验照片 (Test photo):	—
检验结论 (Conclusion):	—	试验照片 (Test photo):	—
送检样品的试验荷载及残余变形均符合标准中D400等要求。(以下空白)	—	试验照片 (Test photo):	—
备注: 1. 送检井盖、井圈检测数据及检测照片详见第三页; 2. 样品等级D400, 实测净开孔D=400mm; 3. 委托单位需提供检测报告1:1-2010-1865-3的样品进行破坏试验。	—	试验照片 (Test photo):	—
审核 (Checked):	王松 (Chang)	试验照片 (Test photo):	—
批准 (Approved):	—	试验照片 (Test photo):	—
报告日期 (Date):	2010/10/12	试验照片 (Test photo):	—

Typical Installation



Article No.

- HRC4500CB Load rating 25 ton, EN124-C250, black
- HRC4501CB Load rating 25 ton, EN124-C250, black, cond.
- HRC4500DB Load rating 40 ton, EN124-D400, black
- HRC4501DB Load rating 40 ton, EN124-D400, black, cond.
- HRC4500EB Load rating 60 ton, EN124-E600, black
- HRC4501EB Load rating 60 ton, EN124-E600, black, cond.
- HRC4500CR Load rating 25 ton, EN124-C250, red
- HRC4501CR Load rating 25 ton, EN124-C250, red, cond.
- HRC4500DR Load rating 40 ton, EN124-D400, red
- HRC4501DR Load rating 40 ton, EN124-D400, red, cond.
- HRC4500ER Load rating 60 ton, EN124-E600, red
- HRC4501ER Load rating 60 ton, EN124-E600, red, cond.
- HRC4500CL Load rating 25 ton, EN124-C250, blue
- HRC4501CL Load rating 25 ton, EN124-C250, blue, cond.
- HRC4500DL Load rating 40 ton, EN124-D400, blue
- HRC4501DL Load rating 40 ton, EN124-D400, blue, cond.
- HRC4500EL Load rating 60 ton, EN124-E600, blue
- HRC4501EL Load rating 60 ton, EN124-E600, blue, cond.
- HRC4500CG Load rating 25 ton, EN124-C250, green
- HRC4501CG Load rating 25 ton, EN124-C250, green, cond.
- HRC4500DG Load rating 40 ton, EN124-D400, green
- HRC4501DG Load rating 40 ton, EN124-D400, green, cond.
- HRC4500EG Load rating 60 ton, EN124-E600, green
- HRC4501EG Load rating 60 ton, EN124-E600, green, cond.
- HRC4500CY Load rating 25 ton, EN124-C250, yellow
- HRC4501CY Load rating 25 ton, EN124-C250, yellow, cond.
- HRC4500DY Load rating 40 ton, EN124-D400, yellow
- HRC4501DY Load rating 40 ton, EN124-D400, yellow, cond.
- HRC4500EY Load rating 60 ton, EN124-E600, yellow
- HRC4501EY Load rating 60 ton, EN124-E600, yellow, cond.

Article No.

- HSC4500CB Load rating 25 ton, EN124-C250, black
- HSC4501CB Load rating 25 ton, EN124-C250, black, cond.
- HSC4500DB Load rating 40 ton, EN124-D400, black
- HSC4501DB Load rating 40 ton, EN124-D400, black, cond.
- HSC4500EB Load rating 60 ton, EN124-E600, black
- HSC4501EB Load rating 60 ton, EN124-E600, black, cond.
- HSC4500CR Load rating 25 ton, EN124-C250, red
- HSC4501CR Load rating 25 ton, EN124-C250, red, cond.
- HSC4500DR Load rating 40 ton, EN124-D400, red
- HSC4501DR Load rating 40 ton, EN124-D400, red, cond.
- HSC4500ER Load rating 60 ton, EN124-E600, red
- HSC4501ER Load rating 60 ton, EN124-E600, red, cond.
- HSC4500CL Load rating 25 ton, EN124-C250, blue
- HSC4501CL Load rating 25 ton, EN124-C250, blue, cond.
- HSC4500DL Load rating 40 ton, EN124-D400, blue
- HSC4501DL Load rating 40 ton, EN124-D400, blue, cond.
- HSC4500EL Load rating 60 ton, EN124-E600, blue
- HSC4501EL Load rating 60 ton, EN124-E600, blue, cond.
- HSC4500CG Load rating 25 ton, EN124-C250, green
- HSC4501CG Load rating 25 ton, EN124-C250, green, cond.
- HSC4500DG Load rating 40 ton, EN124-D400, green
- HSC4501DG Load rating 40 ton, EN124-D400, green, cond.
- HSC4500EG Load rating 60 ton, EN124-E600, green
- HSC4501EG Load rating 60 ton, EN124-E600, green, cond.
- HSC4500CY Load rating 25 ton, EN124-C250, yellow
- HSC4501CY Load rating 25 ton, EN124-C250, yellow, cond.
- HSC4500DY Load rating 40 ton, EN124-D400, yellow
- HSC4501DY Load rating 40 ton, EN124-D400, yellow, cond.
- HSC4500EY Load rating 60 ton, EN124-E600, yellow
- HSC4501EY Load rating 60 ton, EN124-E600, yellow, cond.



RCC9000 Serials-Heavy Duty with the Central Manual Dip Hole

Watertight round composite covers contain 5 parts: main composite cover, composite frame, big watertight seal, dip cover and small seal. The clear opening diameter of frames is 900 mm. There is a central dip hole in the main cover which will make it easy for daily manual dip. They are installed typically in the carriage road areas for all types of vehicles for tank manhole sumps in the forecourt of gas station. Conform to the standard EN124-1994

Article No.

- RCC9000CB Load rating 25 ton, with the black dip cover
- RCC9001CB Load rating 25 ton, with the black dip cover, cond.
- RCC9000DB Load rating 40 ton, with the black dip cover
- RCC9001DB Load rating 40 ton, with the black dip cover, cond.
- RCC9000CR Load rating 25 ton, with the red dip cover
- RCC9001CR Load rating 25 ton, with the red dip cover, cond.
- RCC9000DR Load rating 40 ton, with the red dip cover
- RCC9001DR Load rating 40 ton, with the red dip cover, cond.
- RCC9000CL Load rating 25 ton, with the blue dip cover
- RCC9001CL Load rating 25 ton, with the blue dip cover, cond.
- RCC9000DL Load rating 40 ton, with the blue dip cover
- RCC9001DL Load rating 40 ton, with the blue dip cover, cond.
- RCC9000CG Load rating 25 ton, with the green dip cover
- RCC9001CG Load rating 25 ton, with the green dip cover, cond.
- RCC9000DG Load rating 40 ton, with the green dip cover
- RCC9001DG Load rating 40 ton, with the green dip cover, cond.
- RCC9000CY Load rating 25 ton, with the yellow dip cover
- RCC9001CY Load rating 25 ton, with the yellow dip cover, cond.
- RCC9000DY Load rating 40 ton, with the yellow dip cover
- RCC9001DY Load rating 40 ton, with the yellow dip cover, cond.



RCO9000 Serials- Heavy Duty with the Offset Manual Dip Hole

Watertight round composite covers contain 5 parts: main composite cover, composite frame, big watertight seal, dip cover and small seal. The clear opening diameter of frames is 900 mm. There is an offset dip hole in the main cover which will make it easy for daily manual dip. They are installed typically in the carriage road areas for all types of vehicles for tank manhole sumps in the forecourt of gas station. Conform to the standard EN124-1994

Article No.

- RCC9000CB Load rating 25 ton, with the black dip cover
- RCC9001CB Load rating 25 ton, with the black dip cover, cond.
- RCC9000DB Load rating 40 ton, with the black dip cover
- RCC9001DB Load rating 40 ton, with the black dip cover, cond.
- RCC9000CR Load rating 25 ton, with the red dip cover
- RCC9001CR Load rating 25 ton, with the red dip cover, cond.
- RCC9000DR Load rating 40 ton, with the red dip cover
- RCC9001DR Load rating 40 ton, with the red dip cover, cond.
- RCC9000CL Load rating 25 ton, with the blue dip cover
- RCC9001CL Load rating 25 ton, with the blue dip cover, cond.
- RCC9000DL Load rating 40 ton, with the blue dip cover
- RCC9001DL Load rating 40 ton, with the blue dip cover, cond.
- RCC9000CG Load rating 25 ton, with the green dip cover
- RCC9001CG Load rating 25 ton, with the green dip cover, cond.
- RCC9000DG Load rating 40 ton, with the green dip cover
- RCC9001DG Load rating 40 ton, with the green dip cover, cond.
- RCC9000CY Load rating 25 ton, with the yellow dip cover
- RCC9001CY Load rating 25 ton, with the yellow dip cover, cond.
- RCC9000DY Load rating 40 ton, with the yellow dip cover
- RCC9001DY Load rating 40 ton, with the yellow dip cover, cond.



RCF9000 Serials- Heavy Duty with the Fill and Vapor Recovery Hole

Watertight round composite covers contain 7 parts: main composite cover, composite frame, big watertight seal, fill cover, vapor recovery cover and 2 pcs small seals. The clear opening diameter of frames is 900 mm. There is a fill hole and a vapor recovery hole in the main cover which will help save the area of gas station. They are installed typically in the carriage road areas for all types of vehicles for tank manhole sumps in the forecourt of gas station. Conform to the standard EN124-1994

Article No.

- RCF9000CB Load rating 25 ton, with the black filling cover
- RCF9001CB Load rating 25 ton, with the black filling cover, cond.
- RCF9000DB Load rating 40 ton, with the black filling cover
- RCF9001DB Load rating 40 ton, with the black filling cover, cond.
- RCF9000CR Load rating 25 ton, with the red filling cover
- RCF9001CR Load rating 25 ton, with the red filling cover, cond.
- RCF9000DR Load rating 40 ton, with the red filling cover
- RCF9001DR Load rating 40 ton, with the red filling cover, cond.
- RCF9000CL Load rating 25 ton, with the blue filling cover
- RCF9001CL Load rating 25 ton, with the blue filling cover, cond.
- RCF9000DL Load rating 40 ton, with the blue filling cover
- RCF9001DL Load rating 40 ton, with the blue filling cover, cond.
- RCF9000CG Load rating 25 ton, with the green filling cover
- RCF9001CG Load rating 25 ton, with the green filling cover, cond.
- RCF9000DG Load rating 40 ton, with the green filling cover
- RCF9001DG Load rating 40 ton, with the green filling cover, cond.



MRC9000 Serials- Heavy Duty Watertight Round Composite Cover

Watertight round composite covers contain three parts: composite cover, composite frame and watertight seals. The clear opening diameter of frames is 900 mm. They are installed typically in the carriage road areas for all types of vehicles for tank manhole sumps in the forecourt of gas station. Conform to the standard EN124-1994

Article No.

- MRC9000CB Load rating 25 ton, EN124-C250
- MRC9001CB Load rating 25 ton, EN124-C250, cond.
- MRC9000DB Load rating 40 ton, EN124-D400
- MRC9001DB Load rating 40 ton, EN124-D400, cond.
- MRC9000EB Load rating 60 ton, EN124-E600
- MRC9001EB Load rating 60 ton, EN124-E600, cond.

Watertight Seals for Covers

Article No.

- RMQ9000 Round cover seals,ø900MM
- RMQ4500 Round cover seals,ø 450MM
- RMQ3000 Round cover seals,ø 300MM
- RMQ2500 Round cover seals,ø 250MM
- RMQ1800 Round cover seals,ø 180MM
- SMQ1400 Square cover seals,ø 1400MM*1400MM
- SMQ4500 Square cover seals,ø 450MM*450MM



HRC3000 Serials Watertight Round Composite Cover – Heavy Duty

Watertight round composite covers contain three parts: composite cover, composite frame and watertight seals. The clear opening diameter of frames is 300 mm. They are installed typically in the carriage road areas for all types of vehicles for manual dip, monitoring well, grounding point, drawpit access and so on in the forecourt of gas station. Conform to the standard EN124-1994

Article No.

■ HRC3000CB	Load rating 25 ton, EN124-C250, black
■ HRC3001CB	Load rating 25 ton, EN124-C250, black, cond.
■ HRC3000DB	Load rating 40 ton, EN124-D400, black
■ HRC3001DB	Load rating 40 ton, EN124-D400, black, cond.
■ HRC3000EB	Load rating 60 ton, EN124-E600, black
■ HRC3001EB	Load rating 60 ton, EN124-E600, black, cond.
■ HRC3000CR	Load rating 25 ton, EN124-C250, red
■ HRC3001CR	Load rating 25 ton, EN124-C250, red, cond.
■ HRC3000DR	Load rating 40 ton, EN124-D400, red
■ HRC3001DR	Load rating 40 ton, EN124-D400, red, cond.
■ HRC3000ER	Load rating 60 ton, EN124-E600, red
■ HRC3001ER	Load rating 60 ton, EN124-E600, red, cond.
■ HRC3000CL	Load rating 25 ton, EN124-C250, blue
■ HRC3001CL	Load rating 25 ton, EN124-C250, blue, cond.
■ HRC3000DL	Load rating 40 ton, EN124-D400, blue
■ HRC3001DL	Load rating 40 ton, EN124-D400, blue, cond.
■ HRC3000EL	Load rating 60 ton, EN124-E600, blue
■ HRC3001EL	Load rating 60 ton, EN124-E600, blue, cond.
■ HRC3000CG	Load rating 25 ton, EN124-C250, green
■ HRC3001CG	Load rating 25 ton, EN124-C250, green, cond.
■ HRC3000DG	Load rating 40 ton, EN124-D400, green
■ HRC3001DG	Load rating 40 ton, EN124-D400, green, cond.
■ HRC3000EG	Load rating 60 ton, EN124-E600, green
■ HRC3001EG	Load rating 60 ton, EN124-E600, green, cond.

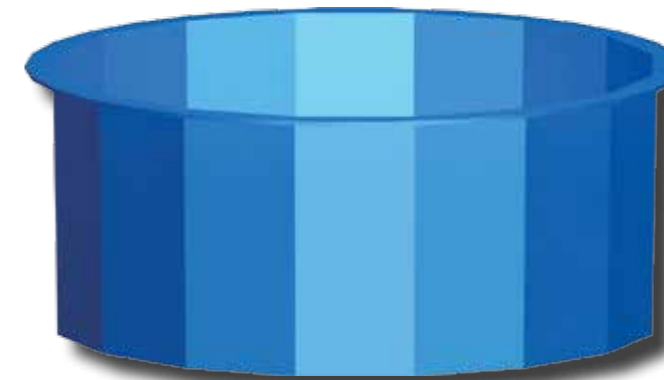


Watertight Square Composite Cover – Light Duty

Watertight square composite covers contain three parts: composite cover, composite frame and watertight seals. The clear opening size of frames is 1400 mm*1400 mm. There is a dip hole in the main cover. They are installed typically in the pedestrian areas for tank manhole sumps in the backyard of gas station. Conform to B125 of the standard EN124-1994

Article No.

■ MSC 1400BB	with a central dip hole, black
■ MSC 1401BB	with a central dip hole, black, cond.
■ MSC 1400BB	with a offset dip hole, black
■ MSC 1401BB	with a offset dip hole, black, cond.
■ MSC 1400BR	with a central dip hole, red
■ MSC 1401BR	with a central dip hole, red, cond.
■ MSC 1400BR	with a offset dip hole, red
■ MSC 1401BR	with a offset dip hole, red, cond.
■ MSC 1400BL	with a central dip hole, blue
■ MSC 1401BL	with a central dip hole, blue, cond.
■ MSC 1400BL	with a offset dip hole, blue
■ MSC 1401BL	with a offset dip hole, blue, cond.
■ MSC 1400BG	with a central dip hole, green
■ MSC 1401BG	with a central dip hole, green, cond.
■ MSC 1400BG	with a offset dip hole, green
■ MSC 1401BG	with a offset dip hole, green, cond.



Frame Support Skirt

It is screwed onto the composite frame via sealing glue, which can adjust the frame up and down to meet the concrete ground level. RTM injection production technology prevent nonconformity quality caused by the manual technology.

Article No.

RSK 9015	round, ø900*150mm
RSK 9016	round, ø900*150mm, cond.
RSK 9040	round, ø900*400mm
RSK 9041	round, ø900*400mm, cond.
SSK 1415	square, 1400*1400*150mm
SSK 1416	square, 1400*1400*150mm, cond.
SSK 1440	square, 1400*1400*400mm
SSK 1441	square, 1400*1400*400mm, cond.



Handle Lifter

Carbon steel support base and stainless steel handle provide the handle lifter strong structure; it can be used to open heavy covers easily.

Article No.

KQ9000