

CC-040 CLEANROOM CEILING SYSTEM

When developing cleanroom systems, Cleanroom Building & Construction Systems looks not only at functionality but also at efficiency, whereby parts and components can be easily interchanged. This not only reduces initial assembly costs, but also generates cost savings in the long-term: reuse of materials and fast change-over times result in considerable financial benefits when renovating or expanding an existing cleanroom.

The CC-040 clean room ceiling system is characterized by high-quality, flexible and multifunctional features and is suitable for both loadable and non-loadable implementations. Thanks to a very slim 40mm profile, an extensive range of ceiling panels and short installation times, this system is extremely economical and suitable for almost all high-care environments.

Integration of a variety of utilities can be easily implemented with the CC-040 clean room ceiling system: thanks to its modularity and flexibility, the system can be realized in almost any desired dimensions.

Less is more - more is less

The very extensive program of cleanroom-compatible ceiling panels with diversity of specifications such as materialization, dimensions and color, offers endless applications in many cleanroom segments. In part due to a unique and universally applicable "panel securing system", various panel types in varying thicknesses can be applied individually with 1 single component. This makes it possible to make only a limited part of the ceiling system walkable, rather than the entire surface, which can significantly reduce costs. Mutual application of profiles from different systems is possible thanks to our unique 'One-2-All Concept'. Thus, in a special situation where it is deemed necessary, the heavy duty CC-055 clean room ceiling system can be used and in other areas the lighter CC-040 system... why invest more than necessary?

<p><u>Specifications</u> ceiling grid</p> <p>system_weight</p> <p>loadability</p> <p>classification</p> <p>airtightness</p> <p>profiles</p> <p>finishing</p> <p>panels</p>	<p>CC-040 Cleanroom ceiling system</p> <p>0,615x0,615m¹ / 0,615x1,215m¹ / 0,615x1,815m¹ / 1,215x1,215m¹ c.t.c. custom sizes on request</p> <p>>2.60 kg/m² c.t.c. 0,615 x 0,615m¹ >2.10 kg/m² c.t.c. 0,615 x 1,215m¹ >1.50 kg/m² c.t.c. 1,215 x 1,215m¹</p> <p>weight refers to system grid excluding suspension structure, paneling and utilities <150 kg/m²</p> <p>suitable for classification ISO-3 to ISO-8 (GMP B/D) in accordance with ISO 14644-1 leak class < LK-5</p> <p>aluminum in accordance with EN-AW 6063 T66 / EN 12020-2</p> <p>RAL9016 powder coating in accordance with RAL-RG631</p> <p>4 and 6mm ACM aluminum composite panels class B1, B2 in accordance with ECCA / DIN 4102 / NEN 6065, 6066</p> <p>4, 6 and 10mm HPL panels / TVOC test report TÜVRheinland No. 244540466b 001¹</p> <p>8, 10 and 15mm honeycomb panels</p>
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parameter	CAS no.	unit	RL	concentration after 7 days	customer requirement	conclusion
Formaldehyde	50-00-0	ppm	0.001	<0.001	0.05	pass
Total aldehydes	-	ppm	0.001	<0.001	0.1	pass
Phenol	108-95-2	mg/m ³	0.001	<0.001	1.9	pass
Styrene	100-42-5	mg/m ³	0.001	<0.001	0.07	pass
4-Phenylcyclohexene	4994-16-5	mg/m ³	0.001	<0.001	0.0065	pass
Total VOC / TVOC (C ₆ - C ₁₆)	-	mg/m ³	0.001	0.025	0.5	pass

¹ tabel 1 – results TÜVRheinland test no. 244540466b001

Build on confidence

Cleanroom Building & Construction Systems is a strong international and independent supplier of a wide range of constructive floor, wall and ceiling systems to specialized partners active in the cleanroom industry. For companies and organizations that want to build on confidence. Trust in our knowledge and the specific properties of our products and systems: efficient, economical, durable and constructive. Trust in a powerful partner you can always rely on.

From production process analysis to final implementation of the cleanroom environment, Cleanroom-BCS is your reliable supplier of cleanroom related building and construction systems. Handling complex cleanroom projects requires time and expert knowledge, and the wide variety of products often makes finding the right solutions difficult. Understanding processes helps us to develop and manufacture customer-specific, economical and efficient solutions. With our selected and competent partners, we are specialized in supporting projects and strive to provide efficient and economical solutions, advise customers holistically and deliver sustainable and responsible systems.

Cleanroom Building & Construction Systems, in cooperation with its partners, is happy to perform these tasks for you. From order entry to delivery and installation or validation, you have only one point of contact with complete cost transparency.

We look forward to helping you to fulfill your system requirements. Visit our 'Clean-Experience-Centre' and learn more about our extensive system range and components to stay one step ahead of your competition..

Let's Build it Clean Together!

If you have a more specific question regarding cleanroom buildings or construction aspects, or would like more information about any of our quality systems, please contact us at Info@Cleanroom-BCS.com or visit our website at www.Cleanroom-BCS.com.