

ROMOLD

ROMOLD GMBH
CABLE CHAMBERS MADE OF
PLASTICS MATERIAL
for the temporary or permanent installation in
areas of extreme conditions



NATO certified:
NC3A/BOA/13118

COMPANY DESCRIPTION

ROMOLD is the European market leader for plastic chambers in the area of civil engineering. As a pioneer in the field we developed the highest possible level of in-depth expertise enabling products and services which are innovative down to the smallest level for over 15 years.

ROMOLD concentrates on chambers and is the only supplier that is specialized exclusively in the plastic chamber segment. ROMOLD successfully produces chambers which convinces with their low weight, easy handling, high durability and life time up to 100 years. Furthermore some chambers come disassembled, reducing the loading volume by 42%.

With the world's largest product range we are able to react to your wishes very flexible. We have a product range of over 1,000 standard products, that covers 99% of all application cases and are available on short notice. Besides our excellent standard product line-up we are the only supplier able to produce small customised series of chambers.

PRODUCTS

electric and telecommunications

sandproof cable chambers
watertight cable chambers

supply and discharge systems

chambers in dimension DN 500-1000
energy compensating chambers
pressure pipe and chambers
water meter chambers
road gullies
pump chambers
compressor stations



INTRODUCTION

When it comes to chambers – go with ROMOLD!

ROMOLD successfully produces chambers with the following specifications:

- 100% watertight (except the sandproof cable chamber)
- low weight: ROMOLD chambers weight only 5% of their concrete counterparts, so the whole process of handling, transport and installation is pretty simplified even in precipitous terrain leading to enormous cost and time savings.
- flexibility: no cracks and breaks caused by movements of the ground
- high durability with its lifetime up to 100 years without any additional investments
- chamber cover: up to class D 400 KN
- corrosion resistance
- compatible with all common pipe systems

PRODUCTS FOR ELECTRIC & TELECOMMUNICATIONS

ROMOLD-CABLE CHAMBERS of plastic are available in two versions – as sandproof and waterproof cable chambers in different or flexible sizes. They are used as components in electric- and communications installations by military facilities, industrie-, supply- and telecommunications companies.

The sandproof cable chamber can be disassembled in its individual parts to reduce the transport volume.

After then the assembling of the chambers can be done worldwide according to the included assembling instructions. Thereby the transport volume is reduced up to 42%.

The application area of using electro- and glass fibre cable are in the field of control-, lighting-, signalling system, telecommunication and heat supply.

ROMOLD-CABLE CHAMBERS are installed for example in following military area:

Afghanistan, Kabul, Embassy

Afghanistan, Kundus, Operating base

Afghanistan, Mazar-e-sharif, Operating base

Afghanistan, Feyzabad, Operating base

SANDPROOF ROMOLD-CABLE CHAMBERS (POLYPROPYLEN)

- rectangular, modular form
- flexible height and size
- media insertion from manufacturer or locally
- cable chamber cover steel frame with ductile cast iron cover
- cable chamber cover composite material (plastic with fibre glass)



WATERPROOF ROMOLD-CABLE CHAMBERS (POLYETHYLEN)

- round monolithic form
- available in different sizes which fit almost every situation
- media insertion from manufacturer or locally
- cable chamber cover with ductile gray cast iron and ductile gray cast iron with concrete
- cable chamber cover composite material (plastic with fibre glass)



OVERVIEW CABLE CHAMBERS

ROMOLD SYSTEMS FOR INSTALLING PIPE NETWORKS

Sand tight cable chambers



ROM-BOX

RECTANGULAR,
MODULAR,
LOAD UP TO CLASS D 400,
VARIOUS DIMENSIONS

ROM-Box Model	Clear dimensions w x l x d max ¹⁾ mm	Chamber Cover ROMOLD		GAV Selflevel	Quantity lid units	U-profile Steel	Height adjustment 5 cm max.	Chamber cover - commercially available ²⁾	
		Class B 125 EN 124	Class D 400 (static) EN 124	Class D 400 (dynamic) EN 124				Class B 125 EN 124	Class D 400 EN 124
30 x 30	300 x 300 x 760	X	X		1		X		
40 x 40	405 x 405 x 760	X	X		1		X		
40 x 90	405 x 895 x 1160	X	X		2		X		
40 x 139	405 x 1385 x 1160	X	X		3	X	X		
57 x 42	419 x 569 x 1160	X	X		1		X		
57 x 92	569 x 921 x 1160	X	X		2	X	X		
57 x 142	569 x 1424 x 1160	X	X		3	X	X		
77 x 73	773 x 734 x 1160	X	X		2		X		
77 x 115	773 x 1145 x 1160	X	X		3	X	X		
77 x 156	773 x 1555 x 1160	X	X		4	X	X		

1) Other depths by agreement

2) e.g made of grey cast iron/steel or grey cast iron/steel with concrete filling

All chambers sizes are divisible at the butt joints for height adaption and for building over existing route. Insertion openings can be made at the factory and/or on-site by the customer according to installation instructions

Watertight Cable Chambers



KS 63/80

DN 625



KS 80.63/44

DN 800



FC 80.63/115 SBS

DN 800



KS 100.63/53 LD

DN 1000



KS 100.63/110 SBL

DN 1000

WHAT YOU NEED TO KNOW – CHARACTERISTICS IN A NUTSHELL

MATERIAL:

Polypropylene (PP), made of 100% virgin material, highly flexible polyethylene used which withstands mechanical stress and drops so no cracks and breaks will affect the stability. Suitable for an installation and operation during the most extreme circumstances.

EASY INSTALLATION:

Quick and easy assembling of the ROM-BOX without the use of any tools due to the new clip system, even when connecting to already existing cable conduits.

JOINTING:

Simple jointing of cable conduits with different diameters on site at any location or already prefabricated in our stock.

100% SANDTIGHT:

The ROM-BOX is absolutely sandtight.

RELIABLE:

The ductile iron cover is textured with an anti-slip pattern and sits solidly on an elastomer layer inside a galvanized steel frame.

CUSTOM-MADE TAGS:

All covers can be equipped with a custom-made tag made of ductil iron.

OPTIMAL BACKFILLING:

Plain surfaces result in optimal backfilling and compacting.

MODULAR SYSTEM:

Flexible measurements offer a solution for individual requirements and an accurate top-aligned height. Custom-made as well as standard covers might be assembled.

HIGHLY EFFICIENT:

Short-term delivery with sufficient quantities and an easy installation guarantee an efficient construction progress.

INSTALLATION:

Short-term delivery with sufficient quantities and an easy installation guarantee an efficient construction progress.

SPACE-SAVING DESIGN:

Optimised wallthickness of 4 cm plays off his strengths especially in the urban area due to a space-saving design combined with a maximized clear diameter.

CHAMBER COVERS:

According to EN 124; class B 125, class D 400 for static load and class D 400 for dynamic load (Selflevel®).

PHYSICAL SAFEGUARDING:

Every steel frame is secured against uplift retention with a mounting link. Additional security is provided by the clip system which fastens the wall elements on ist corners.

MEASURES:

Every steel frame is secured against uplift retention with a mounting link. Additional security is provided by the clip system which fastens the wall elements on ist corners.

CONVENIENT SOLUTIONS:

Sheets on the inside on the inside of the top wall element make it easier to backfill the leveling gap.

GLOBAL DELIVERY:

The ROM-BOX comes, on customer request, diassembled into its single components (wall elements, corner elements, clips, bottom plate and cover), making the transport to almost everywhere more convenient and cost-efficient.

CERTIFICATION AND RECOMMENDATIONS:

The ROM-BOX system was approved by the ofi Technologie & Innovation GmbH, Vienna and is currently being used by the ÖBB (Austrian railway), Asfinag (federal motorway operator in Austria), Salzburg AG and Wien AG. Furthermore an additional certificate issued by the national German authority DIBT Deutsches Institut für Bautechnik, Berlin is in progress and receives support by the Landesgewerbeanstalt Bayern, Nürnberg and SKZ – TeConA GmbH, Würzburg.



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- Afghanistan, Kundus, Operating base
- Afghanistan, Mazar-e-sharif, Operating base
- Afghanistan, Feyzabad, Operating base



Company ROMOLD GmbH
Home Page <http://www.romold.de>

Address Görlitzerstr. 12
83395 Freilassing
GERMANY

Phone +49 8654 4768 19
Fax +49 8654 4768 42
E-Mail info@romold.de

Point of Contact Alexander Lau, LTC
Position Sales Contact International
Phone +49 160 259 9911
Fax +49 8654 4768 42
E-Mail alau@almacon.net

Point of Contact Gerhard Köppel
Position Technical Sales Contact International
Phone +49 151 5877 8863
Fax +49 8654 4768 42
E-Mail koepfel@romold.de

Point of Contact Sigurd Schönherr, LTC (r)
Position Commercial Contact
Phone +49 8654 4768 19
Fax +49 8654 4768 42
E-Mail schoenherr@romold.de