

## **KOLB** CoatedProducts®

Coated corrugated board for  
undreamt-of advantages

**HANS KOLB**   
COATED PRODUCTS

---

# Index

---

- 4** The Company
  - 7** **CORSTAT™/CORTRONIC®**
  - 25** **CORRUST®**
  - 31** **SKINBOARD®**  
**CORRUST SKINBOARD®**
  - 36** Special coatings
  - 39** **KOLB** Logistics & Service
-

CORSTAT™  
CORTRONIC®



... When There Is A Spark!

# CORSTAT™ CORTRONIC®

## IEC and EN Standards

Standards play an important part in reducing uncertainties in the evaluation, selection and use of ESD protection programs and products. Today in Europe, the operating standard is IEC 61340-5-1.

**CORTRONIC®** meets or exceeds IEC 61340-5 requirements pertaining to packaging of ESDS during transport and shipping.

## Electrostatic Protected Area

All containers and working appliances in the ESD protected area must be of diverting nature in order to make a controlled potential equalization respectively the grounding possible.



## Anti-oxidation Protection

All ESD protective packagings can additionally be equipped with an active, temporary and volatile corrosion inhibitor (VCI).

## Electrostatic Discharge ESD

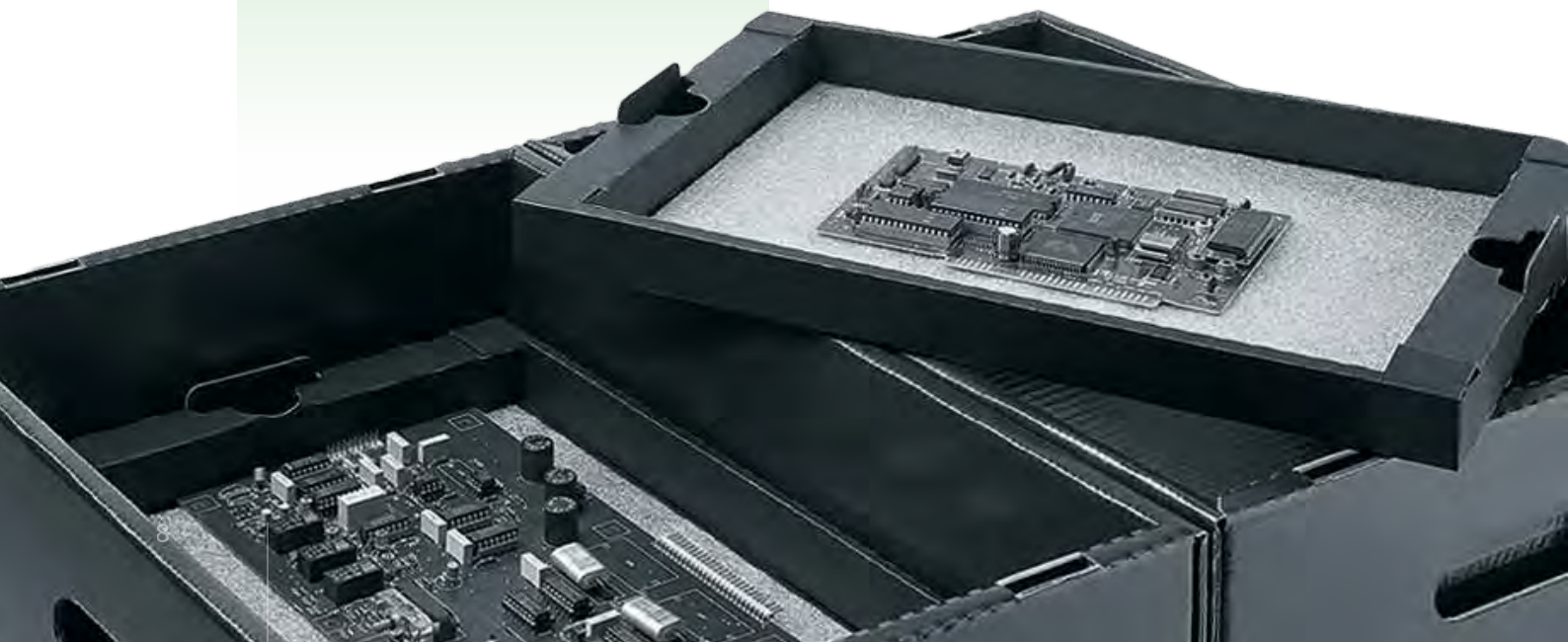
To a greater or lesser extent all contact between objects, every separation of one item from another, each sliding of one thing on another, causes a disturbance of electrical charge. When charge disturbances take place faster than charge redistribution, static charge accumulates. ESD occurs where charges of different electrostatic potentials meet. The flow of electrons is usually sudden and releases energy that can damage electrostatic sensitive devices (ESDS).

## The Answer

To protect ESDS from the unwanted effects of ESD, two key measures must be taken and applied at all times:

- ESDS must be handled exclusively in an ESD Protected Area (EPA) where electrostatic potential differences are minimised.
- ESDS should be transported from one EPA to another preferably only in shielded packages.

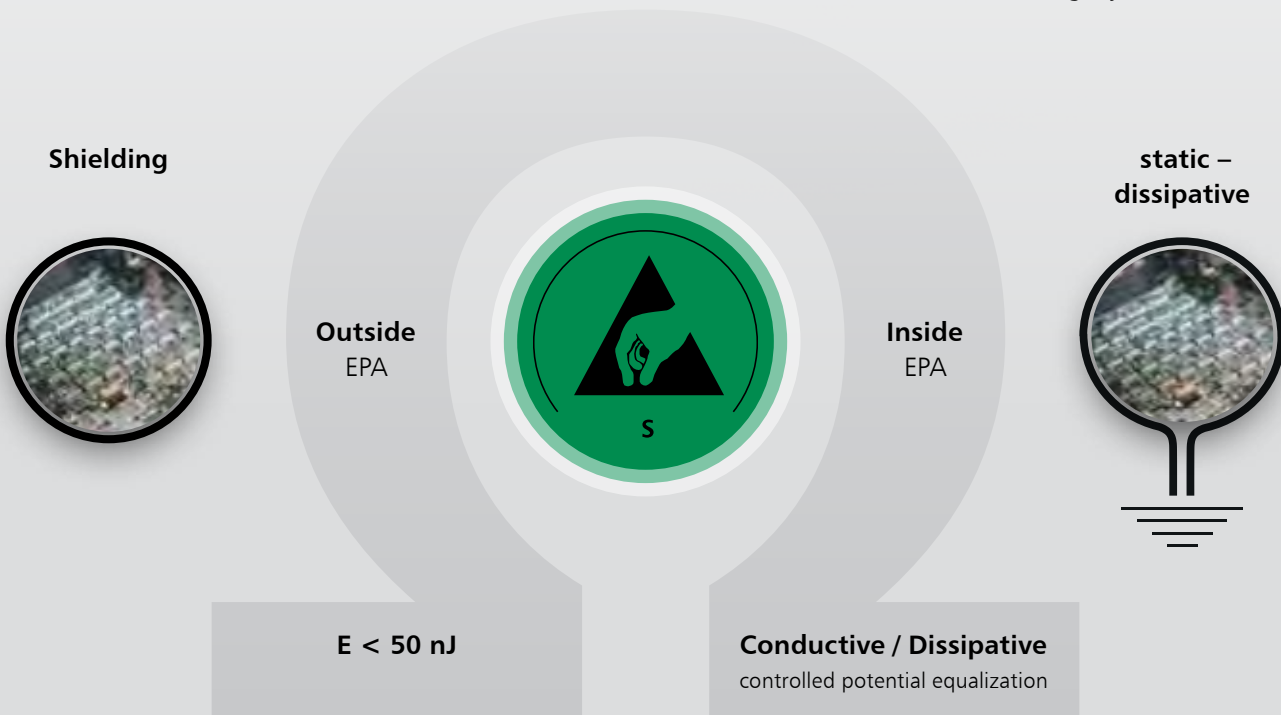
**CORTRONIC®** is an ideally suited packaging for ESDS and because of its static dissipative skin and buried conductive core, it is an ESD shielding material suitable for use in ESD protected areas.



**Permanent conductive –  
no time limit**

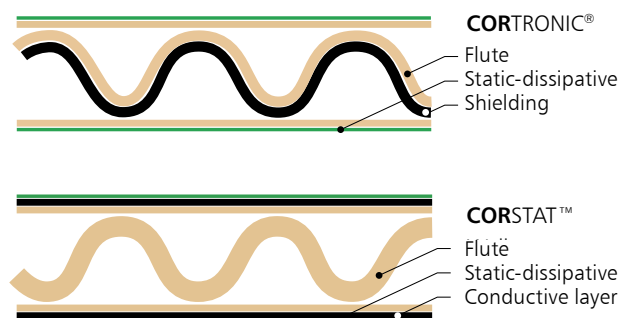
**CORSTAT™ and CORTRONIC® for safe use inside and  
outside of the EPA**

**CORTRONIC®**  $\approx 10^{7-8}$  diverting layer Ohm  
 $< 10^2$  shielding layer Ohm



### Applications

**CORSTAT™** and **CORTRONIC®** is a proven, versatile cardboard ESD shielding material developed especially for today's electronic industry. Products made of **CORTRONIC®** include component boxes, PCB transit boxes, IC tube boxes, inplant handlers for PCBs and custom applications.



# CORSTAT™ CORTRONIC®

Technical Facts	CORSTAT™	CORTRONIC®
<b>Electrical</b>		
Surface resistance Core layer (1- or 2-layer) No heavy metall		< 10 <sup>2</sup>
Surface resistance of integrated mid layer	< 10 <sup>4</sup>	
Surface resistance outer layer	10 <sup>5-6</sup>	10 <sup>7-8</sup>
Controlled potential equalization	yes	yes
Tribocharging	none	none
Surface colours	Black	Blue as a standard
Energy Bag Test ANSI / ESD STM 11-31 IEC 61340-4-8	< 20 nJ	< 10 nJ
<b>Chemical</b>		
Corrosion	none	none
Galvanic potetial	none	none
Recyclability	Resy 0062	Resy 0062
<b>Mechanical</b>		
Resistance to abrasion (varnished surface)	yes	yes
Printability	limited	limited
Moisture	no limitation of the electrical features	no limitation of the electrical features
<b>Specifications</b>		
Equivalent of	ANSI/ESD S541	ANSI/ESD S541
Equivalent of	DIN EN 61340-5-3	DIN EN 61340-5-3
Protected by	Patent given	Patent given
No subject to RoHS-guidelines (2002/95/EG and 2002/96/EG)		
<b>Weight example</b>		
L 600 W 400 H 120 mm	0,58 kg	0,58 kg





### The Environment

**CORTRONIC®** packaging can withstand repeated use without loss of electrical properties. In the end, it can be recycled in the waste paper stream.



# CORSTAT™ CORTRONIC®



**AVAILABILITY**  
of our complete product range of  
**CORSTAT™** und **CORTRONIC®**  
from stock

**User information for  
CORSTAT™/CORTRONIC®/DISSIPATIV**

**Logistical requirements**

**Location and transport**  
Requirement due to  
IEC 61340-5-3

**Type of coating**

**Procurement**



## Product / Component



### Transport Packaging

### Storage Packaging

### Transport Packaging



#### Inside an EPA & ESD-Area

(EPA = Electrostatic Protected Area,  
ESD = Electrostatic Discharge)

##### » **conductive**

$$1 \times 10^2 \text{ Ohm} \leq R_s < 1 \times 10^4 \text{ Ohm}$$

or

##### » **dissipative**

$$1 \times 10^4 \text{ Ohm} \leq R_s < 1 \times 10^{11} \text{ Ohm}$$

#### Outside an EPA / unmonitored areas

(regular properties)

##### » **conductive**

$$1 \times 10^2 \text{ Ohm} \leq R_s < 1 \times 10^4 \text{ Ohm}$$

or

##### » **dissipative**

$$1 \times 10^4 \text{ Ohm} \leq R_s < 1 \times 10^{11} \text{ Ohm}$$

and

##### » **protection against discharge**

$$< 50 \text{ nJ}$$



**CORTRONIC®** ( $10^7 - 10^8$  Ohm incl. shielding)

**CORSTAT™** ( $10^5 - 10^6$  Ohm incl. shielding)

**DISSIPATIVE** ( $10^7 - 10^{11}$  Ohm)

**CORTRONIC®** ( $10^7 - 10^8$  Ohm incl. shielding)

**CORSTAT™** ( $10^5 - 10^6$  Ohm incl. shielding)



Ready-to-use packaging and containers out of our stock program (see following pages)

**Your advantage:** quick delivery, no tool-costs, small quantities possible



### Individual Solutions



Please contact your dealer / sales consultant (see last page)

We are able to produce customized solutions regarding your wishes:  
size, quantities, print etc.

## Containers For Shipment

Standard color: blue



### PCB transit boxes with printed warning

**CORTRONIC®** Assembled boxes lined with conductive profiled soft foam and conductive pin-insertion foam

Ref	Inner dimensions, mm		
<b>01-TVS</b>	40	40	15
<b>02-TVS</b>	62	62	25

**CORTRONIC®** Flat packed boxes, empty

Ref	Inner dimensions, mm		
<b>05-TVS</b>	100	55	25
<b>10-TVS</b>	183	127	38
<b>15-TVS</b>	178	127	64
<b>20-TVS</b>	190	135	40
<b>30-TVS</b>	250	191	38
<b>40-TVS</b>	250	191	64
<b>45-TVS</b>	250	191	110
<b>50-TVS</b>	267	216	64
<b>55-TVS</b>	300	300	100
<b>57-TVS</b>	380	280	60
<b>60-TVS</b>	420	220	40
<b>65-TVS</b>	420	220	65



### Inserts for PCB transit boxes

#### Profiled Foam

Profiled 20 mm, dissipative pink foam

#### Flatpac

Dissipative stretch film base to hold PCB or flat components

Ref	Ref
05-NS as	05-DFP*
10-NS as	10-DFP
15-NS as	15-DFP
20-NS as	20-DFP
30-NS as	30-DFP
40-NS as	40-DFP
45-NS as	45-DFP
50-NS as	50-DFP
55-NS as	55-DFP
57-NS as	57-DFP
60-NS as	60-DFP**
65-NS as	65-DFP**

\* Dissipative function of profiled foam lasts 6 months

\* Dissipative function of the foil lasts appr. 6 months

\*\* on request

### On Request: Inserts for TVS



#### Foam bar dissipative

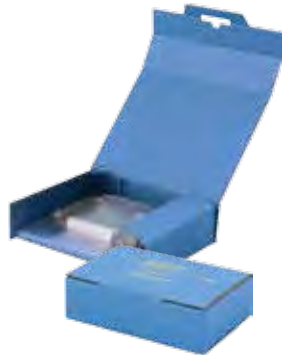
assembled in corresponding TVS

#### Foam grid dissipative

assembled in corresponding TVS

## Korrvu Conductiv

**CORTRONIC®** Transit box  
incl. fixing foil



Ref	Inner dimensions, mm		
<b>20-KC</b>	125	107	25
<b>30-KC</b>	160	127	34
<b>40-KC</b>	235	175	45
<b>50-KC</b>	282	228	70
<b>60-KC</b>	360	245	70

\* Dissipative function of the foil lasts appr. 6 months

## Shipment boxes

**CORTRONIC®**  
with printed warning



Ref	Inner dimensions, mm		
<b>10-TKVS</b>	135	195	25
<b>20-TKVS</b>	135	195	65
<b>30-TKVS</b>	268	190	45

**COR-Pack** with printed warning  
**CORTRONIC®** Transit box  
with dissipative profiled foam\* (20 mm) or  
conductive foam



Ref	Inner dimensions, mm		
<b>05-TCP</b>	150	115	40
<b>10-TCP</b>	200	140	50
<b>20-TCP</b>	280	140	100

\* Dissipative function of pink profiled foam lasts 6 months

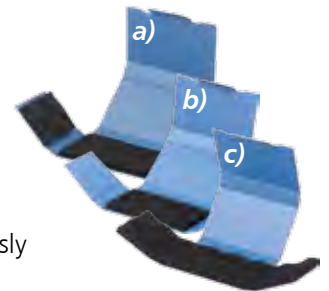
## Component boxes

with printed warning

**CORTRONIC®** Transit box

with conductive foam:

- a) PE-foam (6 mm) + profiled foam (10 mm)
- b) PE-foam (6 mm)
- c) Profiled foam (10 mm) continuously



Ref	Inner dimensions, mm		
<b>05-TEP</b>	95	30	15
<b>10-TEP</b>	100	60	15
<b>15-TEP</b>	100	60	30
<b>20-TEP</b>	120	100	15
<b>30-TEP</b>	155	70	25



## AVAILABILITY

of our complete product range of  
**CORSTAT™** und **CORTRONIC®**  
from stock



# CORSTAT™ CORTRONIC®

## Container For Production And Storage

Outside of container is treated with water-/scratch-resistant coating

Standard color: black

### Reel Box CORSTAT™

Ref	Inner dimensions, mm			Reels Ø mm
<b>10-CRB</b>	380	180	100	180, max. 16 Reel
<b>30-CRB</b>	355	286	220	380, max. 5 Reel

Ref	Inner dimensions, mm			Reels Ø mm
<b>10-CRM</b>	330	319	220	380, max. 8 Reel



### IC bar magazine

#### CORSTAT™

CORSTAT™ coated, double-sided  
stackable, 5 slots

Ref	Inner dimensions, mm			Outer dimensions, mm		
<b>10-ICM</b>	336	586	35	399	599	39



### Tube Box, closed, CORSTAT™

for IC bars, with printed warning

Ref	Inner dimensions, mm			Outer dimensions, mm		
<b>05-CTB</b>	600	95	45	610	113	51
<b>10-CTB</b>	590	95	95	600	113	101



### Tube Box Fifo CORSTAT™

for IC bars

Ref	Inner dimensions, mm			Outer dimensions, mm with lid		
<b>10-CFI</b>	600	50	100	623	75	106



## Storage box, open CORSTAT™

Ref	Inner dimensions, mm			Outer dimensions, mm		
<b>05-CLBO</b>	180	62	65	202	70	70
<b>10-CLBO</b>	285	150	110	305	159	115
<b>15-CLBO</b>	292	109	122	313	116	127
<b>20-CLBO</b>	580	65	65	600	73	66
<b>30-CLBO</b>	592	109	122	611	117	127
<b>40-CLBO</b>	592	153	70	611	161	75
<b>45-CLBO</b>	590	200	180	609	209	185
<b>50-CLBO</b>	615	100	130	634	108	135



## Accessories For Production, Storage And Shipment

### Horizontal divider

for 48 / 50-TSC, CSC, MB, **dissipative**, black with 2 bevelled corners



Ref	Dimensions, mm	
<b>05-DZW</b>	357	246
<b>10-DZW</b>	550	350

### Ring binder

**dissipative**, blue, DIN A4



Ref	Inner dimensions, mm		
<b>10-DRO</b>	317	245	30

### Adhesive tape, black

needed to erect 30, 40, 45 and 50-TSC



Ref	Lenght m	Width mm
<b>10-KB</b>	66	50

### Hanging files ESD Folder

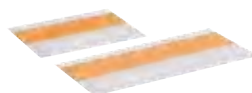
**dissipative**, black for documents



Ref	Dimensions, mm	
<b>10-DF</b>	564	319

### Label holder

**dissipative**, self-adhesive, clear frosted, further dimensions on request



Ref	Dimensions, mm	
<b>05-LT</b>	140	100
<b>10-LT</b>	210	100

### Loose-leaf binder

**dissipative**, black for documents



Ref	Dimensions, mm		
<b>10-DSH</b>	315	235	8

# CORSTAT™ CORTRONIC®

## Container For Production, Storage And Shipment

Standard color: black



### In-plant handler CORTRONIC®

with printed warning

It is possible to double the width of the compartments by removing longitudinal partitions. Partitions are static dissipative. For 30, 40, 45 and 50-TSC adhesive tape is needed (sold separately)

Ref	Inner Dimensions, mm			Cell dimensions, mm			No. of cells	No. of short dividers	No. of long dividers	Outer Dimensions, mm <small>with lid</small>			
	L	W	H	L	W	H				L	W	H	
<b>10-TSC</b>	270	169	195	130	24	195	12	1	5	297	181	204	
				265	24	195	6	5					
<b>15-TSC</b>	372	388	84	109	18	84	60	19	4	400	400	100	
				165	18	84	40	19	3				
<b>20-TSC</b>	386	386	176	110	30	175	30	4	9	415	405	190	
				168	30	175	20	3	9				
				340	30	175	10	2	9				
				*	353	30	175	10	2				9
<b>30-TSC</b>	386	386	358	168	35	350	18	8	3	415	405	365	
				340	35	350	9	8	2				
<b>40-TSC</b>	424	272	281	178	18	280	22	3	10	450	290	290	
				365	18	280	11	2	10				
				*	117	22	280	30	16				3
				*	238	22	280	15	16				2
<b>45-TSC</b>	493	390	166	178	45	166	20	9	3	510	410	175	
				360	45	166	10	9	2				
<b>48-TSC</b>	562	355	150	123	24	150	44	5	10	595	380	160	
				165	24	150	33	4	10				
				250	24	150	22	3	10				
				515	24	150	11	2	10				
<b>50-TSC</b>	562	355	329	123	24	325	44	5	10	595	380	335	
				165	24	325	33	4	10				
				250	24	325	22	3	10				
				515	24	325	11	2	10				

\* on request

## Tray CORSTAT™

Stackable, Made to fit 48-TSC and 50-TSC / CSC boxes.

Either with or without foam.

Use code suffix: as = dissipative el = conductive

Ref	Inner dimensions, mm			Outer dimensions, mm		
<b>05-CTR</b>	297	230	28	351	246	31
<b>06-CTR</b>	297	230	55	351	246	60
<b>07-CTR</b>	305	243	40	358	259	43
<b>20-CTR</b>	499	330	28	550	346	31
<b>25-CTR</b>	499	330	40	550	346	43
<b>30-CTR</b>	499	330	70	550	346	73
<b>EE-flute with CORTEC coating</b>						
<b>20-CTR EE</b>	499	330	28	550	346	

### Cover (solid board)

<b>20-30-CTR D</b>	593	343
--------------------	-----	-----



## CTR partition inserts (solid board) CORSTAT™

Ref	Dimensions, mm - all over			Cell dimensions mm	No. of cells	No. of short partitions	No. of long partitions
	L	W	H				
<b>05-CTR Set</b>	295	228	28	20 × 21	130	12	9
<b>20-CTR Set</b>	497	328	28	20 × 20	330	21	14



### AVAILABILITY

of our complete product range of  
**CORSTAT™** und **CORTRONIC®**  
from stock

# CORSTAT™ CORTRONIC®

## Container For Production, Storage And Shipment

Outside of container is treated with water-/scratch-resistant coating

Standard color: black

### Multibox CORTRONIC® and CORTEC

Ref	Inner dimensions, mm			Outer dimensions, mm		
<b>10-MB</b>	565	365	109	591	391	114
<b>20-MB</b>	565	365	209	591	391	214



### Multibox lid CORTRONIC® and CORTEC

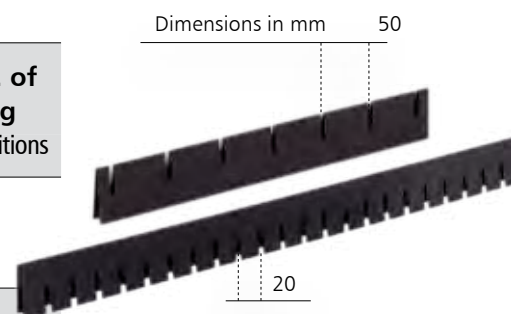
Ref	Inner dimensions, mm			Outer dimensions, mm		
<b>10-20-MBD</b>	593	393	50	603	397	53



### Multibox partitions

for 10-20-MB

Ref	Cell dimension, mm all over			No. of cells max.	No. of short partitions	No. of long partitions
	L	W	H			
100/200-MB-K or L, height of divider is ref.-nr.	50	20	100-200	138	22	7
				No. of slots		
<b>Short partition</b>	352		100-200	7		
<b>Long partition</b>	552		100-200	22		
Partitions singly available, individually sized compartments possible						





## Customer-Store-Container in colorful variety

**CORTRONIC®** - can be used with or without lid

Ref	Inner dimension, mm (without stacking lug)			Outer dimension, mm (without stacking lug and lid)		
<b>03-CSC</b>	362	251	60	389	278	67
<b>05-CSC</b>	362	251	100	389	278	107
<b>10-CSC</b>	362	251	139	389	278	146
<b>15-CSC</b>	362	251	220	389	278	227
<b>17-CSC</b>	551	362	60	578	389	67
<b>19-CSC</b>	551	362	100	578	389	107
<b>20-CSC</b>	551	362	139	578	389	146
<b>30-CSC</b>	551	362	172	578	389	179
<b>35-CSC</b>	551	362	220	578	389	227
<b>36-CSC*</b>	550	365	300	578	389	307
<b>40-CSC*</b>	550	365	400	578	389	410

\* For 36-CSC and 40-CSC no dividers available



### Colorful variety:

- » Red
- » Blue
- » Green
- » Black

## Customer-Store lid CORTRONIC®

Ref	Inner dimensions, mm			Outer dimensions, mm		
<b>03-15-CSCD</b>	388	281	30	399	299	35
<b>17-40-CSCD</b>	581	392	40	599	399	45



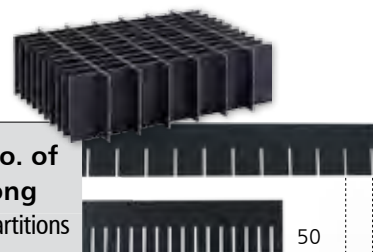
### On request:

- » Sliding boxes
- » Box-in-box solutions
- » Ready-to-use solutions

## Container-Inserts For CSC

Standard color: black

### CSC partition inserts (solid board) CORSTAT™ – for 03-15 CSC



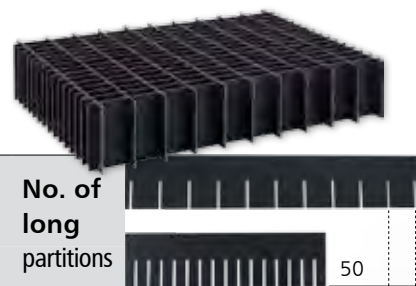
Ref	Cell dimension, mm all over			No. of cells max.	No. of short partitions	No. of long partitions
	L	W	H			
e.g. 03-CSCK or L box name is ref.-no.	50	20	60-100-139-220	77	6	10

Dimensions, mm  
Slot width: 2 mm

No. of slots			
<b>Short partition</b>	249	60-100-139-220	10
<b>Long partition</b>	360	60-100-139-220	6

Partitions singly available, for this reason individually sized compartments possible. Available assembled or disassembled.

### CSC partition inserts (solid board) CORSTAT™ – für 17-35 CSC



Ref	Cell dimension, mm all over			No. of cells max.	No. of short partitions	No. of long partitions
	L	W	H			
e.g. 17-CSCK or L box name is ref.-no	50	20	60-100-139-172-220	160	11	15

Dimensions, mm  
Slot width: 2 mm

No. of slots			
<b>Short partition</b>	360	60-100-139-172-220	15
<b>Long partition</b>	549	60-100-139-172-220	11

Partitions singly available, for this reason individually sized compartments possible. Available assembled or disassembled.

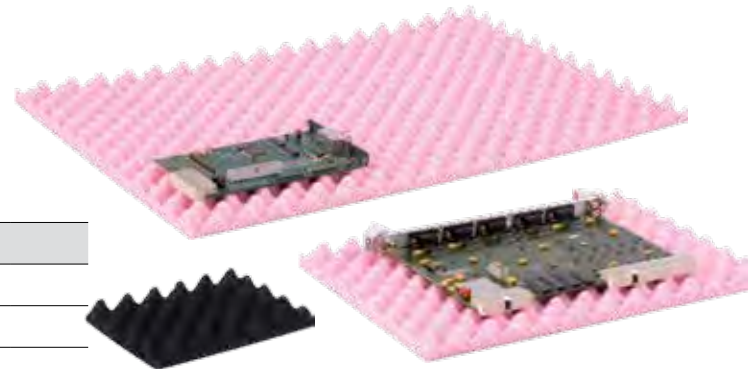


**AVAILABILITY**  
of our complete product range of  
**CORSTAT™** und **CORTRONIC®**  
from stock

### Profiled foam for CSC

dissipative pink\* (on request: black, conductive)

Ref	Dimensions, mm		
<b>03 bis 15-CSC</b>	361	250	20
<b>17 bis 40-CSC</b>	550	361	20



\* Dissipative function of pink profiled foam lasts 6 months

### CSC inserts „Box in Box“ CORSTAT™

for 17 CSC and 19 CSC

Re	Dimensions, mm			No. of boxes per container
<b>17-CB1/8</b>	162	119	56	8x
<b>17-CB1/4</b>	256	162	56	4x
<b>19-CB1/8</b>	163	128	95	8x
<b>19-CB1/4</b>	265	163	95	4x

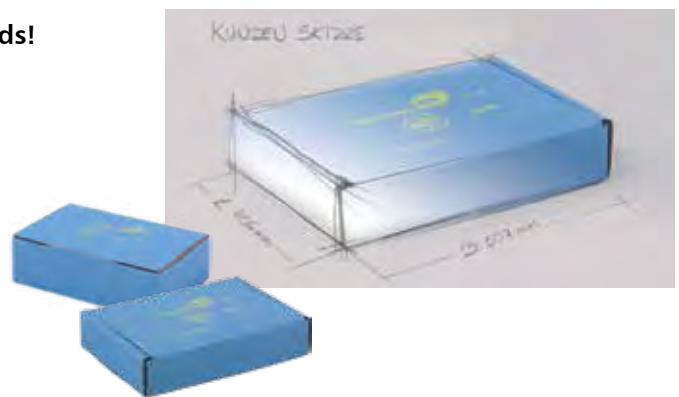


# CORSTAT™ CORTRONIC®

## Standard Products Made For Quick Supply

### Custom-made items meet your special needs!

Some ESD sensitive products have special packaging or handling requirements. **CORTRONIC®**'s versatility makes it possible for us to meet all your requirements, whether from stock or custom-made.



### For shipping ESD sensitive parts:

- » EPROM packaging
- » Dispatch boxes with profiled foam or foil
- » Constructive dispatch boxes
- » **CORPACK** with profiled foam

### For production, in-plant handling and storage:

- » Stackable boxes
- » Trays
- » Reels, reel holders
- » Storage boxes open and storage boxes stackable
- » Partitioned boxes
- » Multibox
- » Fifo-Box

### Worldwide availability!

**CORSTAT™** and **CORTRONIC®** are used over decades in all parts of the world. Just call us or visit us on the web to find your next dealer.



**Quick**  
Delivery Service



CORRUST®

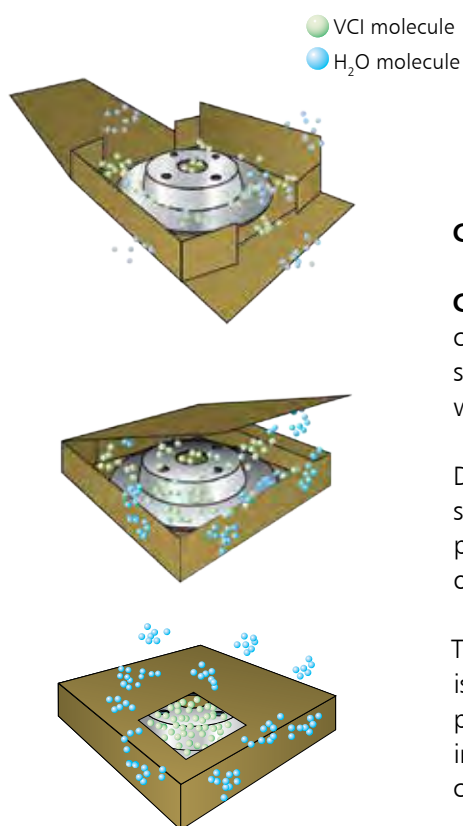


Corrosion Protection Of The Future

## VCI Corrosion Protection Included

### Protection against rust

Rust destroys metal. Rust is generated when sulphur dioxide and chloride are oxidised – such as by exposure to humid air. Therefore corrosion protection particularly is important when transporting and storing ferrous and non-ferrous metals for longer periods of time.



### CORRUST® – A forward thinking principle

CORRUST® is a packaging system made from VCI-coated corrugated cardboard. This generously applied coating releases VCI molecules into the atmosphere inside the packaging – which subsequently comprises the actual corrosion protection.

Due to their polar character, these molecules attach to the surface of the metal products inside the packaging and thus prevent (passivate) the metal surface from reacting with oxygen.

The VCI coating applied to the corrugated cardboard is adjusted specifically to the packaging's relevant purpose and therefore ensures that the packaging's interior is always adequately saturated with VCI, and consequently provides long time protection for your product.

VCI: Volatile Corrosion Inhibitor

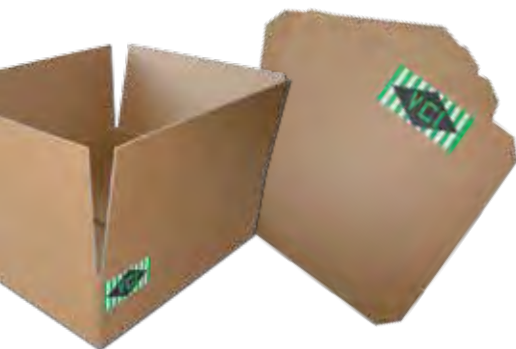
## » PROTECTION INCLUDED

Packaging with VCI corrosion protection is extremely easy to use and gives you a real competitive advantage. **CORRUST®** packaging systems ensure smooth logistics processes with a significantly improved way to maintain the quality of your corrosive products



### Protecting the environment

Corrosion damage not only affects trade, but also has an impact on the environment. **CORRUST®** is 100% recyclable and therefore ideal for humans and the environment, but also a safe choice when it comes to logistic costs.



*We are able to simulate your shipment process in all relevant climate conditions to assure the best possible protection of your products.*

### Wrap - unwrap - and not a spot of rust inside

Traditionally, anti-corrosion packaging for transporting and shipping metal products entails coating a product in grease or a similar corrosion-inhibiting substance, then wrapping it, and then removing the coating again – all of which takes up quite a lot of time, which, ultimately, can drastically impact on the entire logistics chain. However, **CORRUST®** anti-corrosion packaging now makes this labour-intensive process a thing of the past, does not require any investments in corresponding washing systems or solvents and has been reduced to just that: Wrap, unwrap – and not a spot of rust in sight!



# CORRUST®

## Safety

Corrugated cardboard packages are hygroscopic, i.e. they attract and absorb moisture from the air. This is an extremely useful feature since the cardboard can thus be used to hold large quantities of VCI. The **CORRUST®** VCI coating then forms a perfect barrier between the corrugated cardboard and the product inside. **CORRUST®** packaging systems can also, on request, be supplied with a moisture-repellent coating on the outside, which makes the system even more efficient for transporting products under difficult climatic conditions.



## Protection categories

**E**

For protecting ferrous metals, chromium, nickel, silicon aluminium alloys, partially galvanized steel, GGL and GGG

**NE (C)**

For protecting copper, brass, bronze, nickel silver, copper and manganese aluminium alloys

**NE (S)**

For protecting magnesium and magnesium alloys, silver and manganese

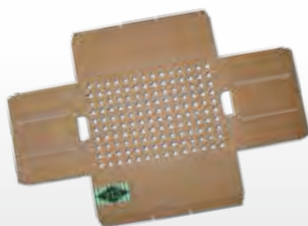
**MM**

For protecting combinations of ferrous and non-ferrous metals, zinc and manganese aluminium alloys, galvanized steel, zinc and copper materials

## Example products



Pre-cuts / sheets



Cut to size



Partitions / Inserts



RSC / American Boxes



SKINBOARD®  
CORRUST SKINBOARD®



Skin Tight Protection

# SKINBOARD® CORRUST SKINBOARD®

## Product Safety And Outstanding Presentation.

With **SKINBOARD®** tight skin foil wrapping, excellent fixture of the goods on the board is combined with attractive product presentation. The foil and the corrugated cardboard are sealed together by what is known as fibre cut.

This bonding method determines the characteristic properties of the packaging: When unpacking the product, a layer of paper remains attached to the foil, making the **SKINBOARD®** packaging very easy to handle.

Thanks to the use of high-strength adhesive, even heavy parts can be safely fixed to the cardboard for attractive presentation and increased sales.



### **Versatile skin packaging**

*Strong, variable and functional:  
Introducing the professional packaging  
solution for your fragile products.*

*SKINBOARD® is a coated  
corrugated board with  
enhanced adhesion properties  
for skin film packaging*



### **Options included as standard!**

#### **Release function:**

For small fragile parts of low weight, the strength of the bond between the film and the cardboard must be reduced to a defined value. Special coats ensure that even the most delicate products can be properly positioned on the board and can be easily removed.

*SKINBOARD® is suitable for  
packaging with skin foils  
made in PE and Surlyn®.*



## »» GUARANTEED QUALITY

As a product engineer for technically advanced components that are susceptible to corrosion, I trust **CORRUST® SKINBOARD®** packaging from HANS KOLB Wellpappe.

### **CORRUST SKINBOARD®**

**CORRUST SKINBOARD®** products offer optimised protection against corrosion for sensitive products. The corrosion protection properties can be individually chosen, depending on the material properties of the packed goods.

#### **We offer the following options:**

- » Steel/iron, chromium
- » Brass, copper, bronze
- » Magnesium and magnesium alloys, silver
- » Multi-metal protection for products made from various metals



# SKINBOARD®

## CORRUST SKINBOARD®

### The perfect solution

The coated corrugated cardboard of the **KOLB CoatedProducts®** range is the ideal material for protective and sturdy packaging for products that are easily damaged by impact. It offers a range of advantages and thus meets the requirements of customers in a wide range of industries.

With **SKINBOARD®** we offer you an innovative product made in functional corrugated board that can be printed with your individual designs..

**SKINBOARD®** and **CORRUST SKINBOARD®** are suitable for combination with all current skin foils. For **CORRUST SKINBOARD®** we recommend using VCI skin foils.

To develop your customised packaging solution, we need the following information:

- » Properties of goods to be packed (material properties, size and weight)?
- » Required skin format?
- » Corrosion protection required?
- » Quantity?
- » Printing required?

If desired, we produce a sample packaging for your products free of charge. Why not visit our premises to discuss your ideas with us and to see how **SKINBOARD®** is processed on our skin packaging machine?

*Thanks to a skin tight foil cover the product will be both packed and presented in an outstanding manner.*





### VCI – Volatile Corrosion Inhibitor



VCI stands for vapour and volatile corrosion inhibitor and describes a process by which molecules from the skin/VCI coating evaporate and saturate the air inside the packaging. Due to their bi-polar character, these particles attach themselves to the surface of the metal products and fill recesses, thus preventing chemical reactions with oxygen on these surfaces (passivation).

- Particles lost through evaporation are replaced by evaporation of more VCI molecules from the coating, so that saturation of the air inside the packaging is ensured at all times.

**Result: Dry preservation of the product, doing away with time-consuming and costly conventional preservation and cleaning measures.**



# SKINBOARD® CORRUST SKINBOARD®

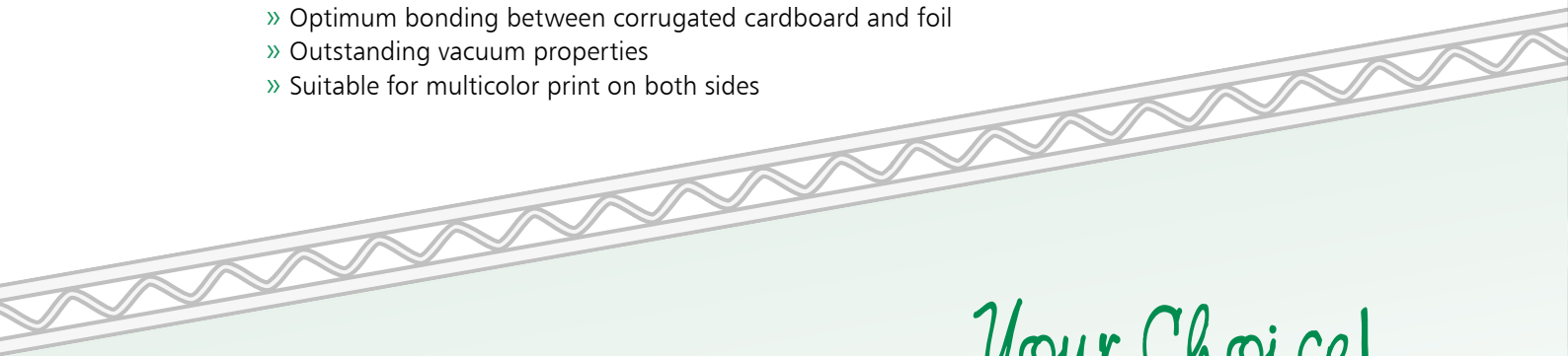
## Skin packaging – on corrugated cardboard carrier material

» **Advantages:**

- » Highly dynamic protection for products that are sensitive to shock
- » Excellent stability thanks to fluted profile
- » No disintegration of the corrugated cardboard layers by the foil restoring forces (special gluing of the individual paper layers)
- » Integrated corrosion protection (with **CORRUST SKINBOARD®**)
- » Recyclable (paper cycle)
- »

» **The skin surface:**

- » Optimum bonding between corrugated cardboard and foil
- » Outstanding vacuum properties
- » Suitable for multicolor print on both sides



*Your Choice!*

**The size:**

All skin sizes

**The board type:**  
(Scale 1:1)

E-Flute



B-Flute



C-Flute



FE-Flute



EE-Flute



EB-Flute



BC-Flute



**The skin layer:**  
**The finish:**

**SKINBOARD®** or **CORRUST SKINBOARD®**  
Color / print pattern



## Types, Sizes, Dimensions



### **CORRUST®**

**CORRUST®** corrugated cardboard packaging systems can be supplied in all shapes and sizes with features and properties most suited to meet your specific requirements. There is only one thing they all have in common: A high level of corrosion protection!

### **CORRUST SKINBOARD®**

**CORRUST SKINBOARD®** features fully integrated corrosion protection and therefore offers maximum protection for vacuum-packed products.

### **CORRUST® Flex**

This flexible VCI corrugated cardboard has been specifically designed to allow products with irregular shapes to be easily packaged and offers them maximum corrosion protection.

All **CORRUST®** packaging systems are available in all of the most common DIN corrugated cardboard types and/or – depending on their intended use – can be made specifically and totally to your specifications.



### **Product information**

The above information is correct to the best of our knowledge and reflects the latest **CORRUST®** developments. Depending on the product to be packaged, the basic features of the different **CORRUST®** packaging types may vary. We are therefore unable to provide a universal warranty for our products. However, we are always happy to conduct tests with our customers to ascertain the level of corrosion protection needed for specific packaging solutions.



## KOLB CoatedProducts®

### No „entry“:

With special coatings against moisture not only your product will be protected – even the area around the Air-Pet-Box is secured of „animals moisture“ in nervous situations.



### Grease, moisture and mould – we have something against them!

#### Grease-resistant coating

Oily and greasy products such as ball bearings should be safely and securely packed throughout dispatch and storage. Thanks to the grease-resistant coating system from **KOLB CoatedProducts®** protection from grease is guaranteed throughout the entire duration of logistics and dispatch.

#### Moisture-resistant coating

Moisture is the natural enemy of corrugated board packaging. But not where the moisture-resistant special coating on **KOLB CoatedProducts®** is concerned. Special hardened varnish creates a highly efficient barrier against any kind of moisture.

#### Anti-mould coating

To prevent the formation of fungus or mould we have developed storage containers that provide the maximum possible product protection even in damp and badly ventilated storage atmospheres.

#### Wax coating

Whether as an insert or a complete export package, products can be sent on their way securely packed thanks to a special wax coating – even in hard climatic conditions.

#### **Variety for all needs:**

*Different parafinum coatings are the perfect protection as you like it.*



## FlameRetard

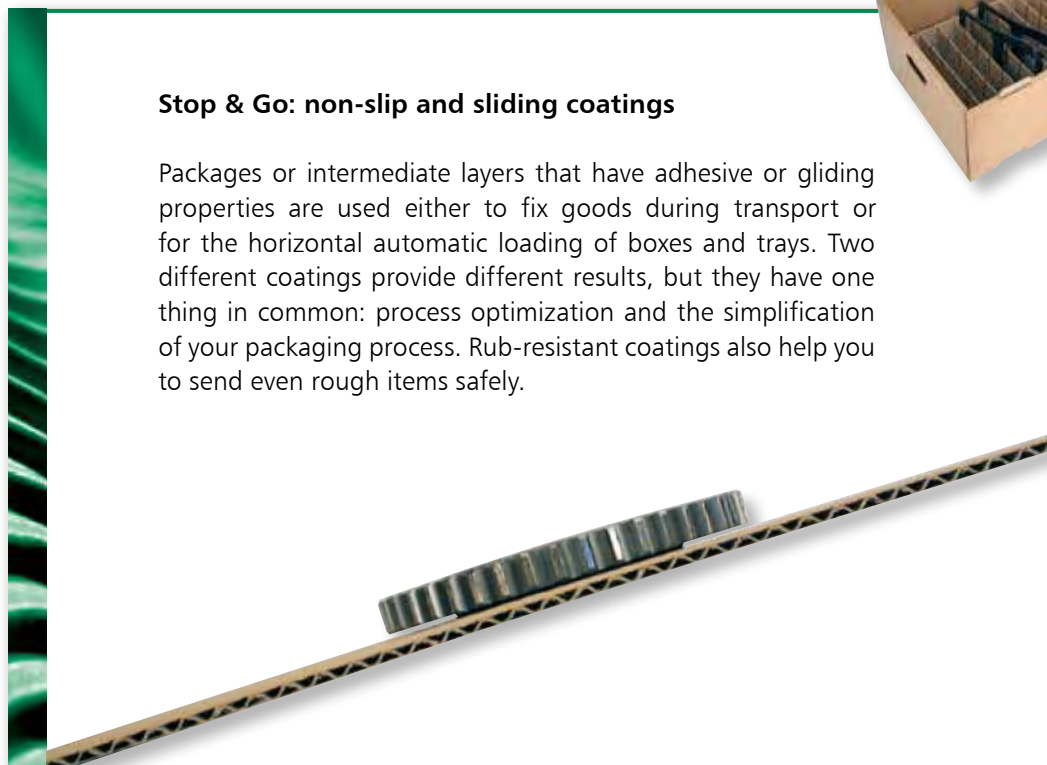
is our name for the flame-retardant coated corrugated board for display presentations and packaging for packed items with special security requirements.

Depending on your requirements we will reach several building classes.



## Stop & Go: non-slip and sliding coatings

Packages or intermediate layers that have adhesive or gliding properties are used either to fix goods during transport or for the horizontal automatic loading of boxes and trays. Two different coatings provide different results, but they have one thing in common: process optimization and the simplification of your packaging process. Rub-resistant coatings also help you to send even rough items safely.



## KOLB CoatedProducts®

### Hard & Soft:

## Surface protection and secure transport for your product

Soft coatings serve to protect surface-sensitive goods. The slip-resistant function also has a positive effect on transport safety. Varnished and sensitive parts will be securely packed in a perfect manner.

