

Redirack



Guarantee

Redirack is manufacturer of storage systems since 1952 (CORNIX group)

REDIRACK® • GUARANTEE

Our guarantee : Storage Systems for Life **Storage systems for life : that is our motto !**

Already at the design of our products we take into account the quality and the convenience of it. For instance our RediTab®, RediSpan® and RediDrive® uprights are designed in such a way that you can not make a mistake when installing them as they are reversible. Unfortunately we were not able to do so with pallet racking uprights due to mechanical requirements.

Not only our storage systems are compliant with the F.E.M. regulations but we also add extra security allowances : accidents can be fatal !

All this comes at a certain price obviously but what is the value of a human life ?

If you take good care of our products and you do not use them for the wrong applications they will last a lifetime without any problem.

Moreover if you return us your damaged parts we will recycle them and in doing so you help saving our green planet !

Installation manuals are available for all products and you can download them on www.redirack.eu.

BOLTED OR WELDED FRAMES ?

When the pallet racking system was designed a welded frame was created : transport costs were low at that time, adequate bolts & nuts were not available and all the tests were done on that type of frame. In the absence of a better solution.

Since then nearly all manufacturers of storage systems moved on to the bolted frames because of the following arguments :

- ▶ increasingly sendzimir uprights are used (cheaper) and these can not be welded.
- ▶ bracing is also sendzimir in a further attempt to cut costs.
- ▶ the base plate can be lacquered in any colour as it is installed afterwards.
- ▶ bolts evolved from the former 4.6 gauge to the stronger 8.8 and 10.9 gauges thus eliminating the problem of too weak bolts. Serrated nuts are now widely available as are prevailing torque nuts if necessary : this should prevent any accidental loosening of bolts and nuts.
- ▶ transport costs are ever raising due to the continually increasing congestion of our road network and transporting air (which is what we do with welded frames) is no longer a viable option.
- ▶ if you damage a frame repairing the damaged part is all that has to be done and you do not have to replace the complete frame.

REDIRACK® was one of the last manufacturers of welded frames although there always has been a bolted version available and since 2005 this bolted version has been promoted more and more. Since the take over by the CORNIX® group the welded frames have been abandoned.

SACRIFICIAL LEG : there is no worse solution !

Sacrificial legs are promoted with the argument of a cheap and fast repair. Fast it is certainly, cheap probably, but safe : no way !

Have a look at your frame: the weakest point without any doubt is the lower part. Not only this part receives the full load but it is also the area that suffers most from collisions by forklift trucks.

Frames have a horizontal brace at the bottom (or at least should have one) : this reinforces substantially the frame and is essential for a good spread of the loads. In the Travirack frame from CORNIX® this lower brace is even doubled. Well have a look at your Sacrificial Leg : the lower brace is missing !

You could also argue that the Sacrificial Leg anchored with 2 anchors gets an extra resistance. Please do not forget this argument because :

- ▶ anchors are an extra security but are not in any way a security in themselves. Take your forklift truck and put the anchors to the test : you will easily establish their resistance.
- ▶ moreover if you repair a upright the old damaged one was probably already anchored and these anchors are probably ruined. Ever tried to put a new anchor on the spot of the old one ?

For safety reasons a damaged upright has to be replaced by a new one (if required even only partially) : that is the only safe way of proceeding. With our bolted frames the cost of this repair is marginal. In case of welded frames the complete frame has to be replaced.

***That is one of the many reasons why we don't offer welded frames anymore.
And don't forget : the most important cost of an accident is the human suffering !***

REDIRACK® • GUARANTEE

Eventually everything brakes down. However it is important to know when.

Professor J.M. Davies DSc, FICE, FIStructE, witnessed a test in February 1991 in the testing laboratory of the University of Ghent, where a complete and full size REDIRACK® pallet racking system was tested to destruction. The professor played a leading role in drafting the F.E.M. (European Federation of Material Handling) guidelines for storage systems. His comments were that the testing of a fully loaded full size pallet racking system was rare and that as far as he could remember such a test was never conducted before by any other manufacturer.

He was delighted that this testing method confirmed the theoretical design calculations. It is obvious that this resulted in an increased confidence of REDIRACK® users into this product.

From professor Davies's point of view it was even more important that the results obtained by these tests made a major contribution, not only for him but also for his colleagues, to improve the available data for these important types of steel structures.

Resistance, stiffness, stability, beam-frame rotation, the effect of slots in cold rolled profiles and the welding of the REDIRACK® pallet racking system under normal and cryogenic (-40°C) conditions were tested by the following neutral and independent authorities :

- | | |
|---|---|
| 1 MAC CAVOUR DEVELOPMENTS LTD.
P.O. BOX 130, ETOBICOKE, CANADA
(T.C. MAC COUVER P. ENG) | between 22 December 1962
and 29 October 1965 |
| 2 LEHRSTUHL FUR STAHLBAU
TECHNISCHE HOCHSCHULE
DARMSTADT - B.R.D.
PROF. DR. ING. OTTO JUNGBLUTH | July 1974 |
| 3 UNIVERSITE DE LIEGE
LABORATOIRES D'ESSAIS DE GENIE CIVIL
QUAI BANNING - 4000 LIEGE - BELGIUM
PROF. R. BAUS/J. D'HUART | between September 1975
and February 1976
and in February 1989 |
| 4 CAMBRIDGE UNIVERSITY
ENGINEERING DEPARTMENT
TRUMPINGTON STREET
CAMBRIDGE CB2 IP2 - UK | March 1982
research into problems caused
by wear of storage systems
in refrigerated storage areas. |
| 5 RIJKSUNIVERSITEIT GENT
LABORATORIUM VOOR MODEL ONDERZOEK
GROTE STEENWEG - NOORD 2
9052 GENT -BELGIUM
PROF. DR. IR. J. RATHE/DR. IR. R. VAN IMPE | between March 1989
and December 1991 |



The design of the RediRack® pallet racking, the RediDrive® drive-in system and all other RediRack® storage systems complies with the recommendations of the following authorities :

- ▶ C.S.A. standard 5 - 136 - 1963 Design of light gauge steel structural members
- ▶ National Building Code of Canada 1965
- ▶ Rack Manufacturer's Institute of America (R.M.I.)
- ▶ Standard of the American Iron and Steel Institute
- ▶ S.E.M.A. (Storage Equipment Manufacturers Association)
- ▶ F.E.M. (European Federation of Materials Handling)

 **Redirack** EUROPE'S FIRST MANUFACTURER OF STORAGE SYSTEMS



**WARRANTY CERTIFICATE
CERTIFICAT DE GARANTIE
GARANTIE CERTIFICAAT
GARANTIEZERTIFICAT**



STORAGE SYSTEMS FOR LIFE

www.redirack.eu

5 YEARS OF WARRANTY

In Belgium laws do not provide any guarantee rules in B2B (business to business) transactions. Only laws regarding hidden defects apply in a limited way. However we at CORNIX - REDIRACK decided from a commercial point of view to guarantee our products during a certain period.

Our motto being "STORAGE SYSTEMS FOR LIFE" we can guarantee storage systems products manufactured by us will carry a 5 year guarantee if they are treated as a good family's father i.e.

Do's

- * use the systems in a dry non aggressive environment preferably at temperatures between 10 and 30 °.
- * repair all damage immediately.
- * use the systems only to store the goods they were designed for.
- * install your storage system in the right & professional way (installation guides are available on our web site).
- * have your system checked for damage at least once a year by the manufacturer or by an inspector licensed by the manufacturer.

Dont's

- * do not overcharge the system. If so damage will be permanent.
- * do not use the the systems for other purposes. E.g. do not climb in them, do no use them to support other structures, ceilings, etc, ...
- * do not use the the systems if they show damage.








Failure of respecting these rules will cancel the coverage of this warranty.

Are not covered by this warranty : paint damage and/or -deterioration; second hand goods, installation.

Systems that are not checked by the manufacturer at least once a year and/or show signs of lack of maintenance lose their warranty coverage.

This warranty is degressif : 1st year 100 %, 2nd year 80 %, etc


This document certifies any new storage system manufactured & sold by any company of the CORNIX group is guaranteed against manufacturing defaults and/or hidden defects during a period of five years from invoicing date.

	Réalisez des inspections régulières afin de vérifier : - L'usage correct du matériel. - Que la charge se trouve dans la limite autorisée. - L'absence de dégâts ou de déformations des structures. - La présence des accessoires de sécurité.	Organiseer geregeld inspecties teneinde na te zien : - Het correcte gebruik van het materiaal. - Of de belasting zich binnen de toegestane limiet bevindt. - Afwezigheid van beschadiging of vervorming van de structuren. - Aanwezigheid van de veiligheidsvoorzieningen.	Make regular inspections in order to check : - If materials are used correctly. - If loads are within the authorised limits. - Absence of damage or distortion to structural components. - If all safety equipment is still present.	Regelmässige Kontrollen ob : - Die Regale vorschriftsmässig bedient werden. - Die Lasten innerhalb der zulässigen Grenzen sind. - Beschädigungen oder Verformungen an tragenden Bauteilen vorhanden sind. - Alle Sicherheitsvorrichtungen vorhanden sind.			
	En cas de dégâts : - Informer immédiatement le responsable entrepôt. - Désolocker l'ensemble des paliers dans les zones affectées. - Soigner les zones affectées. - Réparer les zones affectées.	Ingeval van schade : - Onmiddellijk melden aan de magazijn verantwoordelijke. - De paliers van de beschadigde zones ontlasten. - De zones herstellen.	In case of damage : - Inform immediately the warehouse manager. - Unload all pallets in the damaged zones. - Repair the damaged zones.	Im Falle von Beschädigungen : - Sofort den Lagerleiter benachrichtigen. - Die beschädigte Sektion sofort entlasten. - Die betroffenen Zonen reparieren.			
	Ne pas monter sur les rayonnages sans obtenir l'accord du fournisseur.	Ne pas monter sur les rayonnages sans l'accord écrit préalable de la fournisseur.	Do not climb the storage system without written consent of the supplier.	Die Regale nicht bestiegen, ohne die schriftliche Genehmigung durch den Lieferanten zu erhalten.			
	En cas de doute consulter les Procédures Internes d'Entrepôt et la norme EN 15635.	Ingeval van twijfel gelieve de Interne Magazijn Procedures alsook de norm EN 15635 te raadplegen.	When in doubt, consult the Internal Warehouse Procedures as well as the EN15635 standard.	Im Zweifelsfall die internen Lagerverfahren und der Norm EN15635 beachten.			
	En cas de problème technique consulter le fournisseur.	Ingeval van technische problemen gelieve de leverancier te contacteren.	In case of technical problems please consult the supplier.	Bei technischer Problemen bitte den Lieferanten konsultieren.			
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YOUR CHOICE OF COLOURS

Standard colour for this product (4 to 6 weeks) :

Orange-red ral 2002 
 (bracing & small items : sendzimir; sendzimir uprights available
 for bolted frames)

Other standard colours without surcharge
 (lead time 4 to 6 weeks) :

Ivory (cream) ral 1013 
 Zinc yellow ral 1018 
 Gentian blue ral 5010 
 Light grey ral 7035 
 (bracing & small items always sendzimir)

Other ral colours at extra cost (lead time +/- 6 weeks)

(bracing & small items always sendzimir).

Hot dipped galvanized version available at extra cost (+/- 6 weeks).

THE REDIRACK® RANGE OF PRODUCTS



RediRack

Pallet racking



RediBuild

Covered storage



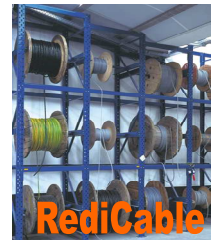
RediRoll

Dynamic storage



RediDrive

Drive-in & drive-through



RediCable

Cable drum storage



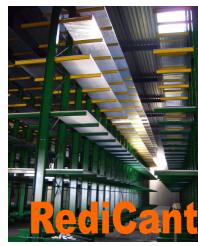
RediDeck

Mezzanines



RediTab

Shelving systems



RediCant

Cantilevers



RediSpan

Long span



STORAGE SYSTEMS FOR LIFE

www.redirack.eu

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