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TECHNIK

Internet: www.edefautechnik.com

European Renewable Energy

A whole world of energy sAVING technologies

The Classic among Solar

FK 6250 Prestige Design Collector

FK 6250 Prestige Design Collectors

are among the finest aluminium frame collectors in the world. high-quality materials and environment-friendly, state-of-the-art production methods as well as an excellent efficiency make ERE solar collectors an award-winning top-product. due to their state-of-the-art absorber-technology, all collectors from this series of products guarantee extremely high levels of performance the welded full face absorbers make maximum use of their surface and thus achieve maximum levels of energy-absorption. As there are no air turbulences inside the collectors, the result is an extremely high level of thermal transfer. with the award-winning vacuum-coating the emission (thermal reflection) of the FK 6250 Prestige collector has been reduced to less than 5 %, while the energy absorption reaches 96 %)

NEW!
with HPQ-highperformance-absorber

- high-quality workmanship
- Appealing design
- sturdy and durable
- Maximum energy yield
- exceptionally efficient use of surface area
- state-of-the-art technology
- long-term stability of vacuum coating
- trouble-free operation



ERE TECHNOLOGY
PROJECTION

10 year
warranty



Umweltmanagement
System
zertifiziert nach
ISO 14001

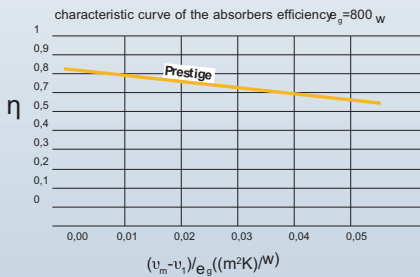
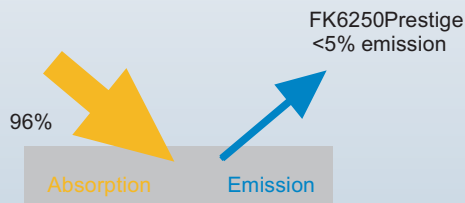
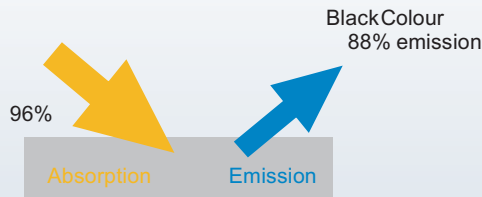


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FK 6250Prestige Design-Collector

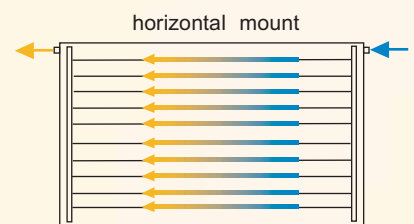
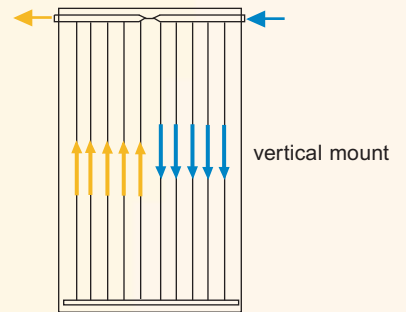
Solar coating for maximum energy absorbing

Modern absorber coating processes mean the efficiency of solar collectors has considerably improved. With the coating of the estec FK6250 Prestige the emission values (thermal reflection) are reduced to less than 5%!



Previously believed unreachable power levels are now a reality!

two examples of connection and direction of flow



technical details

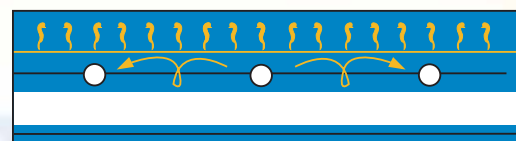
total area (m ²):	2,53
dimensions l x w x h (mm):	2065 x 1225 x 103
Aperture area (m ²):	2,42
Absorber area (m ²):	2,35
total weight of the collector (kg):	48
frame:	salt-water resistant aluminium, insulated along the sides finish: anodized, titan-bronzec31
rear-Panel:	Aluminium stucco-sheet
Absorber components:	12 highly selectively coated copper register pipes (Ø 8 x 0,5 mm) and copper header tubes(Ø 22 x 0,8 mm) full-face absorber with ultrasonically welded register
Absorber plate coating:	highly selectiv vacuum coated
Absorption (%):	95 ±2
emission (%):	<5
efficiency factor η _{0, absorb.} (%):	82
heat transfer medium:	Polypropylene glycol
Absorber volume (l):	2
transparent cover:	tempered low-iron solar glass 1" flat-sealed screw connections
design:	vertical.or horizontal mount
Maximum operating pressure (bar):	10
stagnation temperature (°C):	210
insulation:	50 mm Mineralwool
design approval/standards:	tÜv 02-328-083
efficiency and Quality test:	din certco 011-7s230f



greenhe At stands for the cleanest absorber technology possible

the welded full-face absorbers make possible a highly efficient use of space:the collector tubes are completely covered, thereby preventing air turbulence and limiting the loss of heat at the solar cover.

onventional strip design
Air turbulence causes loss of heat



greenhe At technology
closed surface – no loss of heat

