

Safe-T-Step Guard Mats

Heavy Duty, Impact Resistant Safeguarding

For nearly two decades Jokab Safety has set the industry standards for quality and performance of industrial automation and machine safeguarding. We are proud to announce the latest addition to our product line—the Safe-T-Step impact-resistant, heavy-duty mat. Alumaglas® contact elements blanket the entire surface virtually eliminating any dead zones in the active surface. Our contact element will not rust or dent—and it is completely flexible, enabling it to withstand impacts that could damage other rigid contact elements. Every Safe-T-Step mat is available with a retainer trim kit made of extruded aluminum, which is recommended to surround the mat and secure it in place. The trim kits are available in straight or miter cut.



Chemical Resistance

RESIST. LEVEL	CHEMICAL	RESIST. LEVEL	CHEMICAL	RESIST. LEVEL	CHEMICAL
C	Acetic Acid, Glacial	U	Diethyl Ether	B	Naphthalene
B	Acetic Acid, 30%	U	Dioxane	U	Nitric Acid (Conc.)
C	Acetic Anhydride	U	Ethyl Acetate	A	Nitric Acid (Dilute)
U	Acetone	B	Ethyl Alcohol	U	Nitric Acid (Red Fuming)
A	Ammonia Gas (Cold)	A	Ethyl Chloride	U	Nitrobenzene
A	Ammonium Carbonate	U	Ethylene Chloride	B	Octyl Alcohol
A	Ammonium Chloride	A	Ethylene Glycol	B	Oleic Acid
A	Ammonium Hydroxide	U	Ethylene Oxide	A	Oxalic Acid
A	Ammonium Nitrate	A	Ferric Chloride	C	Phenol Hydrazine
A	Ammonium Sulfate	B	Formic Acid	A	Phosphoric Acid (20%)
U	Aniline	C	Furfural	A	Phosphoric Acid (45%)
A	Aqua Regia	A	Gasoline	U	Phosphorous Trichloride
C	Benzoic Acid	A	Glycerin	B	Picric Acid
A	Boric Acid	B	Hexyl Alcohol	A	Potassium Dichromate
U	Bromine-Anhydrous	A	Hydrobromic Acid	C	Potassium Hydroxide
U	Bromine Water	B*	Hydrochloric Acid (Hot) 37%	U	Propylene Oxide
U	Bromobenzene	B	Hydrochloric Acid (Cold) 37%	U	Pyridine
B	Butter	B*	Hydrofluoric Acid (Conc.) Hot	A	Silver Nitrate
B	Butyl Alcohol	B	Hydrofluoric Acid (Conc.) Cold	A	Sodium Borate
U	Butyl Stearate	A	Hydrofluosilicic Acid	A	Sodium Cyanide
A	Calcium Chloride	A	Hydrogen Peroxide (90%)	B	Sodium Hydroxide
A	Calcium Hydroxide	B	Hydroquinone	A	Sodium Hypochlorite
B	Calcium Hypochlorite	U	Isophorone	A	Sodium Nitrate
C	Carbolic Acid	A	Isopropyl Alcohol	C	Stearic Acid
U	Carbon Bisulfide	A	Lead Acetate	B	Sulfur Dioxide
B	Carbon Tetrachloride	B	Linseed Oil	A	Sulfuric Acid (Dilute)
U	Cellosolve	A	Lubricating Oils (Petroleum)	U	Sulfuric Acid (Conc.)
B	Chloride (Dry)	A	Magnesium Sulfate	B	Sulfurous Acid
C	Chlorine (Wet)	B	Methyl Alcohol	A	Tannic Acid
A	Chloroacetic Acid	U	Methyl Bromide	U	Tetrachloroethylene
U	Chlorobenzene	A	Methyl Cellosolve	B	Tetrahydrofuran
U	Chloroform	U	Methyl Ethyl Ketone	B	Toluene
U	Chromic Acid	U	Methyl Isobutyl Ketone	U	Trichloroacetic Acid
A	Cobalt Chloride	U		A	Water
A	Copper Chloride				
A	Copper Sulfate				
B	Cottonseed Oil				
B	Cyclohexane				

A = Little or No Effect B = Minor to Moderate Effect C = Moderate to Severe Effect U = Not Recommended
 * See page 6 - Safe-T-Edge Strips Technical Data

Applications

- Area Guarding
- Machine Guarding
- Perimeter Guarding

Features

- Non-skid surface available in black ribbed top or yellow diamond top
- Resistant to common oils and chemicals
- No joining strips required
- 4 pole quick disconnect
- Electrical requirements: 24 volt, 1/2 amp AC or DC
- Flame and water resistant
- Hermetically sealed
- Sensitive edges
- No silicone

Warranty

Jokab Safety will replace, within 1 year of shipment date, any Safe-T-Step mat that has been subject to normal use and is found to have defective materials or workmanship, as determined solely by our authorized factory representative. Replacements will be shipped to customer freight collect. This warranty is void where evidence of misuse or abuse is present.

Approvals



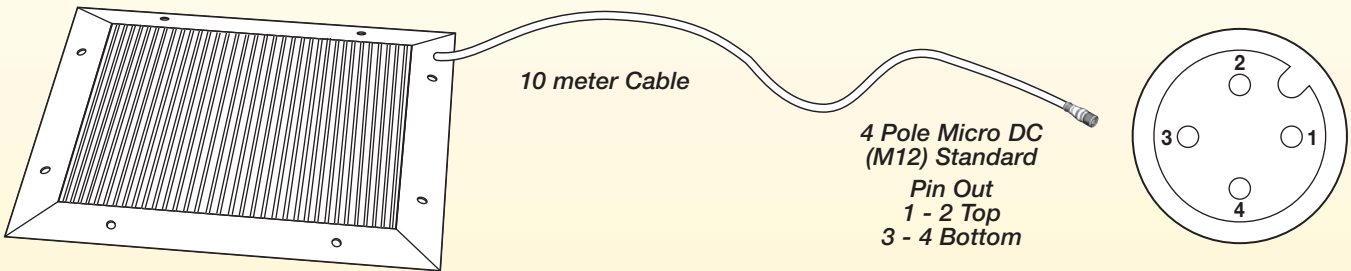
Safe-T-Step Technical Data

Manufacturer..... JOKAB SAFETY
Ordering Data/Article Numbers..... see page 10:4
Outer Material..... PVC
Assembled Mat Thickness..... 5/8"
Color..... black
Lead Wire..... 10 m, 4 pin yellow micro DC disconnect
Minimum Sensitivity..... 66 lbs. (30 kg) per 3-1/8" (80 mm)
(diameter per EN1760)
Cycle Test..... 1 million plus
Maximum Width..... 36" and 48" standard
(up to 56" optional)
Temperature Range
 Per EN1760..... -5°C to +40°C
 Actual..... -29°C to +71°C

Fire Resistance self-extinguishing
Weathering meets or exceeds minimum requirements per IEC 68-2-3, IEC 68-2-14
Cracking..... none @ 1/4" mandrel at -40°F
Hardness..... 93 +/- 5 ASTM-D-2240

Note: JSNA Safe-T-Step guard mats and trim kits can be ordered in custom sizes. Trim kits are available in all standard sizes and include all mounting hardware and pre-drilled counter sunk holes. For Ordering Data see page 4.

Safe-T-Step Connecting Cable



Safe-T-Step Application for 4 Mats using Vital Solution

