

# ReBeL® articulated arm robot ReBeL® Skin-01xx



## The ideal protective cover for every application

The cover shown is made of polyethylene. It is waterproof and silicone-free as well as lightweight and flexible; ideal for use in spray booths.

- Silicone-free
- Waterproof
- ATEX varnishing
- Single use
- Lightweight and flexible
- REACH compatible
- RoHS 2 compatible

## Protective cover specifications

Technical data			Tolerance	Unit
Total surface weight	ISO 536	41	± 2.5	g/m <sup>2</sup>
Thickness	EN 20534	135	± 65	µm
Tensile strength	EN ISO 1924-2			
Longitudinal direction		0.4	± 0.1	Nm
Transverse direction		0.6	± 0.2	Nm
Elongation at break	EN ISO 1924-2			
Longitudinal direction		10-20		%
Transverse direction		18-32		%
Tensile properties	EN ISO 1924-2			
Longitudinal direction		42/2.54	± 7	N/cm
Transverse direction		38/2.54	± 7	N/cm
Waterproof	ISO 811	120		cm
Peeling	ASTM D2724	0.25/2.54	± 0.20	N/cm
Specific surface resistance	ASTM D257	1.10 <sup>7.4</sup>		Ohms/m <sup>2</sup>

## Product range

Part number			Unit
REBEL-SKIN-0100	Suitable for REBEL-6DOF	6 DOF	Degrees of freedom
REBEL-SKIN-0110	Suitable for REBEL-4DOF	4 DOF	Degrees of freedom
REBEL-SKIN-0120	Suitable for REBEL-5DOF	5 DOF	Degrees of freedom



Silicone-free



Waterproof



ATEX varnishing



Single use



Lightweight and flexible



REACH compatible



RoHS 2 compatible

# ReBeL<sup>®</sup> articulated arm robot ReBeL<sup>®</sup> Skin-02xx



## The ideal protective cover for every application

The cover shown is made of a blue polythene film, which makes it lint-free. It is also waterproof, silicone-free and approved for the food process.

- Silicone-free
- Waterproof
- Lint-free
- Food approved
- Lightweight and transparent
- REACH compatible
- RoHS 2 compatible

## Protective cover specifications

Technical data		Unit
Total surface weight	90	g/m <sup>2</sup>
Sheet width	153	cm
Tensile strength		ASTM D882
Longitudinal direction	102.30	N
Transverse direction	106.75	N
Tensile properties		ASTM D882
Longitudinal direction	600	%
Transverse direction	400	%
Resistance to the impact	ASTM D1709A	350
Tensile strength - Elmendorf		ASTM D882
Longitudinal direction	1,500	g
Transverse direction	1,350	g
Checking the overall migration	- NF EN 1186, section 1 to 14 - Directive (EC) No. 1935/2004 - 27/10/2014 - Directive (EC) No. 10/2011 - 14/01/2011	Validated for simulants A, B and D2

## Product range

Part number			Unit
REBEL-SKIN-0200	Suitable for REBEL-6DOF	6 DOF	Degrees of freedom
REBEL-SKIN-0210	Suitable for REBEL-4DOF	4 DOF	Degrees of freedom
REBEL-SKIN-0220	Suitable for REBEL-5DOF	5 DOF	Degrees of freedom



Silicone-free



Waterproof



Lint-free



Food processes approved



Lightweight and transparent



REACH compatible



RoHS 2 compatible

# ReBeL® articulated arm robot ReBeL® Skin-03xx



## The ideal protective cover for every application

The cover shown consists of a polyamide fabric coated on one side with a special elastomer. It is waterproof, silicone-free, lightweight, flexible and flame-retardant.

- Silicone-free
- Waterproof
- Washable/rinseable
- Flexible
- ATEX varnishing
- REACH compatible
- RoHS 2 compatible

## Protective cover specifications

Technical data			Unit
Total surface weight	ISO 3801	210 ± 10%	g/m <sup>2</sup>
Tensile strength	ISO 13934-1		
Longitudinal direction		> 600	N
Transverse direction		> 250	N
Elongation at break	ISO 13934-1		
Longitudinal direction		> 110	%
Transverse direction		> 180	%
Tear resistance	ISO 13937-1		
Longitudinal direction		> 55	%
Transverse direction		> 55	%
Coating resistance on fabric	DIN 53357		
Longitudinal direction		12/22	N/mm
Transverse direction		12/22	N/mm
Water vapour permeability	DIN 53 122	± 350	g/m <sup>2</sup> /24hrs
Burning standard	BS 7175 CRIB 5	Ok	

## Product range

Part number			Unit
REBEL-SKIN-0300	Suitable for REBEL-6DOF	6 DOF	Degrees of freedom
REBEL-SKIN-0310	Suitable for REBEL-4DOF	4 DOF	Degrees of freedom
REBEL-SKIN-0320	Suitable for REBEL-5DOF	5 DOF	Degrees of freedom



Silicone-free



Waterproof



One side coating



Washable/rinseable



Repairable



Flexible



ATEX varnishing

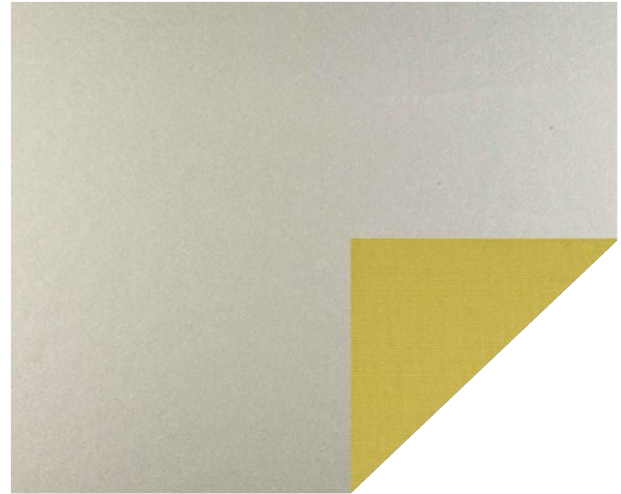


REACH compatible



RoHS 2 compatible

## ReBeL® articulated arm robot ReBeL® Skin-04xx



### The ideal protective cover for every application

The cover shown consists of an aramid fabric coated with silicone on one side. It is waterproof, washable, rinseable and flame-retardant in accordance with fire class M1.

- **Waterproof**
- **Washable/rinseable**
- **Repairable**
- **REACH compatible**
- **RoHS 2 compatible**

### Protective cover specifications

Technical data			Unit
Total surface weight	NF EN 2286-2	550 ± 20	g/m <sup>2</sup>
<b>Tear resistance</b>			
	ISO 4674-2		
Longitudinal direction		> 10	daN
Transverse direction		> 10	daN
<b>Wrinkle resistance</b>			
	ISO 5981		
Longitudinal direction		> 2,000	Cycles
Transverse direction		> 2,000	Cycles
<b>Tensile strength</b>			
	ISO 1421		
Longitudinal direction		> 96/5	daN/cm
Transverse direction		> 50/5	daN/cm
Flammability	NFP 92507	M1	

### Product range

Part number			Unit
REBEL-SKIN-0400	Suitable for REBEL-6DOF	6 DOF	Degrees of freedom
REBEL-SKIN-0410	Suitable for REBEL-4DOF	4 DOF	Degrees of freedom
REBEL-SKIN-0420	Suitable for REBEL-5DOF	5 DOF	Degrees of freedom



Waterproof



One side coating



Fire class M1



Washable/rinseable



Repairable



Flexible



Aramid-based fabric



REACH compatible



RoHS 2 compatible