

	Material Safety Data Sheet Product Lines clear-PEP® and AIR-board®	MSDS 0102 Ch.- Nr.: 01 page: 1 von 2
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1. Trade names of products concerned:

clear-PEP® PC
clear-PEP® UV PC
clear-PEP® UV PC color
clear-PEP® UV PC stage

AIR-board® PC
AIR-board® UV PC
AIR-board® UV PC color
color AIR-board® UV PC
metal AIR-board® UV PC

2. Composition / Indication to parts:

Chemical characterisation:

Polycarbonate panels bonded with a drawn TRICore or honeycomb Polycarbonate core

Dangerous substances:

By bonding with Polyurethane adhesives Isocyanathe can be released, however they are chemically bonded in adhesive reacted out (approx. 48 hours after processing).

3. Possible dangers:

unknown

4. First Aid actions:

inhale:
skin contact:
swallow up:
eye contact with PC-swarf:

not applicable
not applicable
not applicable
irrigation with water or commercial eye irrigations

5. Actions against fire:

Suitable extinguishing agents:
Unsuitable extinguishing agents:
At fire following will be released:
Other decomposition products at thermal decomposition:

water, powder, foam, carbon dioxide
unknown
Carbon Dioxide, water vapour

Further information:

Carbon Monoxide and other organic monomers in small quantity
combustion residues are to be disposed according to local regulations

6. Actions at unintended release:

not applicable

7. Handling and storage:

handling:
storage:

no information
in delivery package in dry rooms, according to local fire-directions

These indications are based on our state of knowledge and experience at date of issue, but they do not bear the meaning of assurance of characteristics. It is not allowed to change nor to translate into other products. Copying in unchanged status is allowed.



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8. Exposition limitation and personal protective equipment:

Parts with limit value to be observed – not applicable

Personal protective equipment:

breathing protection

not necessary

eye protection

at mechanical processing – protective goggles

ear protection

at mechanical processing – ear protection

9. Physical and chemical characteristics:

form:

non-detachable

colour:

according to customer's request

smell:

neutral

change of condition:

non

ignition temperature:

over 200° C

solubility in water:

unsolubly

10. Stability and reactivity:

no change of condition at usage according to determination

11. Information on toxicology:

no acute toxicity

12. Information on ecology:

Information on elimination:

no datas available

Behaviour in environment

compartments:

not water endangering, environment neutral

13. Information on disposal:

According to local magisterial directives

14. Information on transport:

no labelling liability for dangerous goods-law according to EEC-law

15. Instructions:

labelling according to EEC-law:

no labelling liability

national regulations:

not subject of dangerous goods-regulation

16. Others:

information for usage of this MSDS please find in the footer

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AIR-board® panels

	Standard dimensions	Tolerances for Standard dimensions			Special dimensions		Fire class			Coefficient of thermal expansion	Service temperature	TSET value (total solar energy transmittance)			
	Length x Width x Thickn. (mm)	Length (mm)	Width (mm)	Thickn. (mm)	Thickn. (mm)	Length _{max} x Width _{max} (mm x mm)	DIN 4102-1	BS 476 Part 7	ÖNORM B3800	acc. to DIN 53752-A (1/K)	(°C)	sun elevation angle			
												0°	30°	45°	60°
AIR-board® PC	2550 x 1050 x 12/16/19	+10/-101	+5/-51	+0/-11			B1	1Y		6,5 x 10 ⁻⁵	-30 up to +80				
AIR-board® UV PC	3020 x 1220 x 19	+2/-2	+1/-2	+0/-1	12 - 80	3020 x 1300 ²	B1	1Y	B1	6,5 x 10 ⁻⁵	-30 up to +80	0,72	0,67	0,61	0,52
color AIR-board® UV PC	3020 x 1000 x 19	+2/-2	+1/-2	+0/-1	12 - 80	3020 x 1300 ⁴	B1	1Y		6,5 x 10 ⁻⁵	-30 up to +80				
big AIR-board® UV PC	3020 x 1000 x 19	+2/-2	+1/-2	+0/-1	12 - 80	3020 x 1300 ²	B1	1Y	B1	6,5 x 10 ⁻⁵	-30 up to +80				
chaos AIR-board® UV PC	3020 x 1000 x 19	+2/-2	+1/-2	+0/-1	12 - 80	3020 x 1300 ²	B1	1Y	B1	6,5 x 10 ⁻⁵	-30 up to +80				
AIR-board® UV PC color	3020 x 1000 x 19	+2/-2	+1/-2	+0/-1	12 - 80	3020 x 1300 ³	B1		B1	6,5 x 10 ⁻⁵	-30 up to +80				
big AIR-board® UV PC color	3020 x 1000 x 19	+2/-2	+1/-2	+0/-1	12 - 80	3020 x 1300 ³	B1		B1	6,5 x 10 ⁻⁵	-30 up to +80				
chaos AIR-board® UV PC color	3020 x 1000 x 19	+2/-2	+1/-2	+0/-1	12 - 80	3020 x 1300 ³	B1		B1	6,5 x 10 ⁻⁵	-30 up to +80				
AIR-board® UV satin	3020 x 1000 x 19	+2/-2	+1/-2	+2/-2	12 - 80	3020 x 2020 ⁴	B2			7 x 10 ⁻⁵	-30 up to +80				
big AIR-board® UV satin	3020 x 1000 x 19	+2/-2	+1/-2	+2/-2	12 - 80	3020 x 2020 ⁴	B2			7 x 10 ⁻⁵	-30 up to +80				
chaos AIR-board® UV satin	3020 x 1000 x 19	+2/-2	+1/-2	+2/-2	12 - 80	3020 x 2020 ⁴	B2			7 x 10 ⁻⁵	-30 up to +80				
AIR-board® radiant	2420 x 1200 x 19	+2/-2	+1/-2	+0/-1	12 - 80	2420 x 1200 ⁴	B2			7 x 10 ⁻⁵	-30 up to +80				
metal AIR-board® UV PC	3020 x 1220 x 19	+2/-2	+1/-2	+0/-1	12 - 80	3020 x 1500 ⁴		1Y	B1	6,5 x 10 ⁻⁵	-30 up to +80				
metal AIR-board® UV PC color	3020 x 1000 x 19	+2/-2	+1/-2	+0/-1	12 - 80	3020 x 1500 ³			B1	6,5 x 10 ⁻⁵	-30 up to +80				

1...untrimmed; 2...minimum order quantity per special dimension: 200 m²; 3...minimum order quantity per special dimension: 400 m²; 4...minimum order quantity per special dimension: 25 pc.

	Weight per unit area (kg/m ²)							Thermal insulation (W/m ² K)							Sound insulation Rw (dB)							Bending stiffness per panel width (Nm ² /m)						
	panel thickness in mm							panel thickness in mm							panel thickness in mm							panel thickness in mm						
	12	16	19	30	40	60	80	12	16	19	30	40	60	80	12	16	19	30	40	60	80	12	16	19	30	40	60	80
AIR-board® PC	3,1	3,4	3,6	4,4	5,1	6,5	7,9	3,0	2,5	2,3	1,7	1,4	1,1	0,9	19	19	19	20	20	22	22	144	266	383	968	1760	2556	5120
AIR-board® UV PC	5,4	5,6	5,9	6,6	7,3	8,7	10,1	3,2	2,7	2,4	1,7	1,4	1,1	0,9	21	21	21	23	24	25	25	196	444	532	1688	2987	3420	11093
color AIR-board® UV PC	5,4	5,6	5,9	6,6	7,3	8,7	10,1	3,2	2,7	2,4	1,7	1,4	1,1	0,9	21	21	21	23	24	25	25	196	444	532	1688	2987	3420	11093
big AIR-board® UV PC	5,5	5,9	6,2	7,1	8,0	9,8	11,6	3,2	2,7	2,4	1,7	1,4	1,1	0,9	21	21	21	23	24	25	25	196	444	532	1688	2987	3420	11093
chaos AIR-board® UV PC	5,5	5,9	6,2	7,1	8,0	9,8	11,6	3,2	2,7	2,4	1,7	1,4	1,1	0,9	21	21	21	23	24	25	25	196	444	532	1688	2987	3420	11093
AIR-board® UV PC color	5,4	5,6	5,9	6,6	7,3	8,7	10,1	3,2	2,7	2,4	1,7	1,4	1,1	0,9	21	21	21	23	24	25	25	196	444	532	1688	2987	3420	11093
big AIR-board® UV PC color	5,5	5,9	6,2	7,1	8,0	9,8	11,6	3,2	2,7	2,4	1,7	1,4	1,1	0,9	21	21	21	23	24	25	25	196	444	532	1688	2987	3420	11093
chaos AIR-board® UV PC color	5,5	5,9	6,2	7,1	8,0	9,8	11,6	3,2	2,7	2,4	1,7	1,4	1,1	0,9	21	21	21	23	24	25	25	196	444	532	1688	2987	3420	11093
AIR-board® UV satin	7,5	7,8	8,0	8,8	9,5	10,9	12,3	3,5	2,8	2,5	1,8	1,5	1,1	0,9	24	24	24	26	27	28	28	226	515	714	1710	3040	4140	11520
big AIR-board® UV satin	7,6	8,0	8,3	9,2	10,1	11,9	13,7	3,5	2,8	2,5	1,8	1,5	1,1	0,9	24	24	24	26	27	28	28	226	515	714	1710	3040	4140	11520
chaos AIR-board® UV satin	7,6	8,0	8,3	9,2	10,1	11,9	13,7	3,5	2,8	2,5	1,8	1,5	1,1	0,9	24	24	24	26	27	28	28	226	515	714	1710	3040	4140	11520
AIR-board® radiant	7,5	7,8	8,0	8,8	9,5	10,9	12,3	3,5	2,8	2,5	1,8	1,5	1,1	0,9	24	24	24	26	27	28	28	226	515	714	1710	3040	4140	11520
metal AIR-board® UV PC	5,1	5,3	5,4	5,8	6,2	7,0	7,8	5,3	5,2	5,2	5,1	5,0	4,8	4,6	20	20	20	22	23	24	24	205	461	543	1733	3093	3540	11947
metal AIR-board® UV PC color	5,1	5,3	5,4	5,8	6,2	7,0	7,8	5,3	5,2	5,2	5,1	5,0	4,8	4,6	20	20	20	22	23	24	24	205	461	543	1733	3093	3540	11947



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