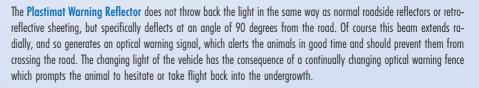
WARNING REFLECTORS FOR WILDLIFE



Accident prevention for humans and animals

In Germany more than 200 000 deers, stags and wild boars collide with vehicles every year. Regularly people get hurt, unfortunately sometimes with fatal consequences.

Plastimat has developed a new, improved warning reflector, in which the headlights of an oncoming vehicle produce a pale optical warning fence which derivates centrally by 90 degrees with a radial spread. Wildlife is disturbed at quite a far distance from the road by the light reflection and takes flight in the opposite direction of the beam. If there is no traffic animals can cross the road safely.





Test Name Name der Pruefung	Test Procedure Prozedur Pruefung	Acceptance Criterion	Test measurement Messungen	Result Ergebni
		CIL values shall be	incoordingen	Ligeon
		conform to the		
CIL measurement		requirements defined in		DACCT
Messung der	RVS 3.01 point 5.2	RVS 3.01 point 5.2	See Annex I	PASSE
Rueckstrahlwerte		Rueckstrahlwerte muessen den	siehe Anhang I	Bestande
		Angaben der RVS 3.01		
		point 5.2 entsprechen		

STATEMENT

The Test Report comprises 8 pages. The English version is the only official version of this test report

Dieser Prüfbericht enthält 8 Seiten.

Die englische Version dieses Prüfberichtes ist die einzig verbindliche Version.

Extracts from the independent test report: The Plastimat warning reflector in comparison

Improved reflection

Plastimat warning reflectors give a substantially better light reflection into the terrain. The results of the new product in comparison with existing game reflectors is many

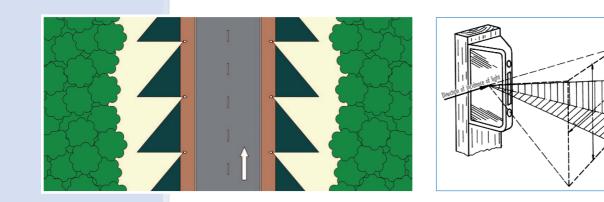
times better.

A controlled study comparing products currently on the market, undertaken by an independent institute, confirmed this. Naturally

the wildlife reflectors adhere to all terms of the Austrian Norm RVS 3.01 (environment and wildlife protection).

horizontal plane			vertical plane						
	Minimum value defined by RVS 3.01 <i>Mindestwert</i>	PLASTIMAT WHITE WEISS	PLASTIMAT RED <i>ROT</i>	PLASTIMAT BLUE BLAU		Minimum value defined by RVS 3.01 <i>Mindestwert</i>	PLASTIMAT WHITE WEISS	PLASTIMAT RED <i>ROT</i>	PLASTIMAT BLUE BLAU
Functions	R [mcd/lx]	R [mcd/lx]	R [mcd/lx]	R [mcd/lx]	Functions	R [mcd/lx]	R [mcd/lx]	R [mcd/lx]	R [mcd/lx]
10L-V	1	3,5	1,0	1,0	H – 10D	-	6,0	2,1	0,5
9L-V	1	4,9	1,0	1,0	H-9D	-	8,3	2,7	0,7
8L-V	1	6,6	1,4	1,2	H-8D	-	10,6	3,3	0,8
7L-V	1	8,5	1,9	1,3	H-7D	-	13	3,9	1,0
6L-V	1	10,7	2,4	1,4	H-6D	-	15,6	4,5	1,2
5L-V	1	13,2	3,1	1,6	H-5D	-	18,1	5,1	1,4
4L-V	1	15,8	3,7	1,7	H-4D	-	20,5	5,7	1,6 – V
3L-V	1	18,6	4,5	1,9	H-3D	-	22,7	6,1	1,7
2L-V	1	21,5	5,2	2,0	H-2D	-	24,8	6,4	1,9
1L-V	1	24,5	6,0	2,1	H-1D	-	26,4	6,7	2,0
H - V	1	27,7	6,9	2,1	H-V	2	27,7	6,9	2,1
1R-V	1	30,8	7,7	2,1	H-1U	-	28,5	6,9	2,1
2R-V	1	33,9	8,5	2,0	H-2U	-	29,0	6,9	2,2
3R-V	1	37,2	9,4	1,9	H-3U	-	29,2	6,9	2,2
4R-V	1	39,9	10,3	1,8	H-4U	-	29,4	6,8	2,2
5R-V	1	41,9	10,9	1,6	H-5U	-	29,6	6,7	2,2
6R-V	1	43,1	11,4	1,5	H-6U	-	29,6	6,4	2,1
7R-V	1	43,1	11,5	1,3	H-7U	-	29,2	6,2	2,1
8R-V	1	41,9	11,4	1,2	H-8U	-	28,4	5,7	2,1
9R-V	1	39,9	10,9	1,0	H-9U	_	27,2	5,2	2,0

Plastimat warning reflectors divert the beam of the headlights specifically into the terrain.



Installation and Cleaning

The wildlife warning reflector is fixed with 2 screws (included). The screws are suitable for posts made from wood or plastic at the height of the usual reflectors on roads.

Regular cleaning of the roadside posts also facilitates the cleaning of the wildlife warning reflectors which attract very little dirt due to their shape.

Costs

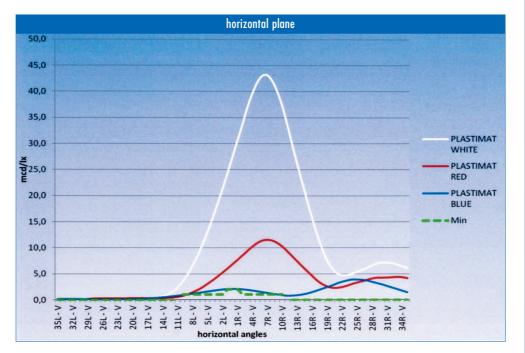
The prevention of a single accident already makes the investment for several km worth-while.

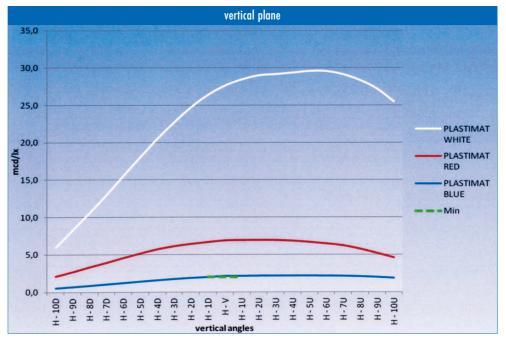
Manufacture

The **Plastimat wildlife warning reflector** is salt and corrosion resistant. The ABS material of the base as well as the PMMA of the reflector are UV resistant. Also improved are the expansion and contraction values through heat and cold compared with existing products.

Suitability

The wildlife warning reflector is suitable for both flat and mountainous terrain because of the radial light as seen in the title photo.





Interested in the detailed test results? We would be delighted to send you the complete test report.



Intended Function for Wildlife Warning Reflectors

Wildlife warning reflectors exist to warn animals walking towards the road and encourage them to hesitate or reverse their step. Therefore it is necessary for the light of the vehicle to be diverted intensively in the direction of the terrain. Deers, stags and wild boars are without exception capable of seeing movement, especially wild boars which have a reputation of failing eye sight. The aim, therefore, is to send high light reflections into the terrain. Moving vehicles cause light reflection to which the animals react. Of course there is a spectrum of colours in white light, and white has the highest possible light intensity and therefore effect.

Every colour setting, whether red or blue, reduces the intensity of the light given out to a considerable degree. The meanwhile rumoured opposite opinion is flawed. Neither is the assertion of a 'scare colour blue' correct, even when the animal walks directly along the roadside. One cannot observe, for instance, that game avoids blue lupines or does not like walking around in them. Game even takes - as cited here - the flowers of the toxic foxglove as medicine. Comment: According to a marketing statement from competitors the colour blue does not exist in nature.

The newly developed wildlife warning reflector by Plastimat, a further improved development of the white warning reflector marketed for years, is sure to decrease the accident frequency. We would be delighted to fit further trial stretches with you.

Wildlife warning reflector	Wiwa Blitz			
Article No	900 000 400	900 000 410	900 000 420	
Reflector	white	blue	red	
Material	ASA			
Dimensions	182 x 86 x 60 m			
Packaging unit	30 pieces incl. 60			



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