



## TECH INFO



# DIRTY DOG HIGH PERFORMANCE PROTECTION

## WHAT DEFINES DIRTY DOG EYEWEAR

A powerful combination of integrated design, superior materials and ergonomic engineering delivering eyewear that is unrivalled in performance and innovation. Dirty Dog Eyewear's pioneering lines and advanced design provide PUREBRED performance transforming your vision into a crystal clear experience. Dirty Dog Eyewear draws upon an active engagement in the world of sports for inspiration. Function drives our design. The aesthetic is based on concrete wearability, comfort, lightness and responsiveness to the demands of daily life and sports performance. The design philosophy fuses function with attitude.

### MATERIALS

Advanced composite materials inspire innovative design solutions for greater comfort and operable efficiency

### WEIGHT

Moulded from superior lite weight materials ideal for sports and comfort

### DESIGN

Across the dynamics of work, leisure and sports, Dirty Dog eyewear is built for action even in the most extreme conditions

### LENSES

For high protection and exceptional comfort, Dirty Dog selects superior lens quality. Whether intended for daily use or specific activity, the lenses used for Dirty Dog Eyewear meet all sun protection needs

### GLARE BLOCK

Polarised lenses eliminate glare and blinding reflections

### COLOUR CLARITY

Accurate colour for enhanced perception

### CONTRAST

Enhance the contrast and increase the visual acuity and perception in case of high brightness

### EYE COMFORT

The 4 UV filters reduce eye fatigue

### PROTECTION

Protection from harmful UVA, UVB and UVC rays

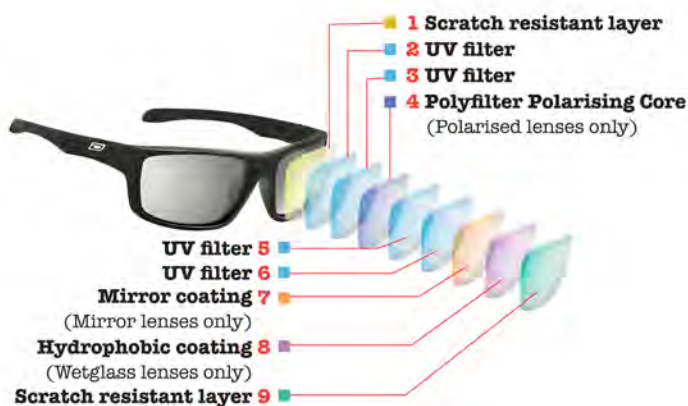
### STRENGTH

Dirty Dog Eyewear's advanced lens technology has created stronger lenses making them safer and less susceptible to damage

## DIRTY DOG LENSES

Dirty Dog lenses consist of layer upon layer of advanced technology bonded together to maximise UV protection and enhance the clarity of your vision for safe and durable wearing.

The lenses contain 4 UV filters for optimum UV blockage. All Dirty Dog lenses are treated with two specially developed hard coatings to make the lenses extremely scratch resistant and prevent the deterioration of lens clarity.



With a wide variety of different models, Dirty Dog Eyewear's collection has the right eyewear to meet all conditions. At Dirty Dog Eyewear we do not want you to simply reach your potential. We want you to SURPASS it.

## UNLEASH YOUR WORLD

## DIRTY DOG LENS COLOURS

Dirty Dog provides an extensive range of lens colour options suited for the varying light conditions found in even the most extreme environments.

LOW LIGHT CONDITIONS

MEDIUM LIGHT CONDITIONS

HIGH LIGHT CONDITIONS



**Yellow lens** - highest contrast for low light conditions, 100% blue block.



**Rose lens** - increased contrast enhancing ground level contours in low light.



**Orange lens** - higher contrast enhancing ground level contours in low light.



**Copper lens** - high contrast for varied light conditions. Excellent for driving and shooting.



**Brown lens** - superior visual definition. Increased contrast, enhance ground level contours in most light conditions



**Grey lens** - no alteration to colour perception. No contrast enhancing colour. Comfortable to look through. Excellent in bright glare conditions.



**Green lens** - 'softness' of grey with a degree of contrast, as there is some blue block. Maximum glare reduction without distorting colours.



**Flash mirror lens** - medium to bright light, reduces glare.



**Green fusion mirror lens** - medium to bright light - enhances contrast and reduces glare.



**Purple fusion mirror lens** - medium to bright light - enhances contrast and reduces glare.



**Blue fusion mirror lens** - medium to bright light - enhances contrast and reduces glare.



**Gold fusion mirror lens** - highest contrast with additional glare block.



**Silver mirror lens** - strong glare reduction for very bright conditions.



**Red fusion lens** - extremely bright light. Excellent all-purpose lens with true colour.

## DIRTY DOG POLYCARBONATE AND POLARISED POLYFILTER LENSES

Dirty Dog's are equipped with the latest lens technology in **POLARISED POLYFILTER** and **POLYCARBONATE** lenses.

**POLYCARBONATE** is the most impact resistant optical material available, guaranteeing the wearer protection from physical objects as well as visual comfort.

Scientifically formulated to offer exceptional defence against the sun's harmful rays, our **POLARISED POLYFILTER** and **POLYCARBONATE** lenses absorb radiation that can be damaging to the human eye.

These lenses provide clear and restful vision in the most extreme environmental conditions.

Dirty Dog Polarised lenses block reflected horizontal glare making them the perfect choice for any high glare situations like fishing, boating, skiing, driving or any situation where you need extra protection from reflected glare.



Visibility **without** Polarised sunglasses.



Visibility **with** Dirty Dog Polarised Polyfilter Sunglasses.

## DIRTY DOG PHOTOCROMIC LENSES

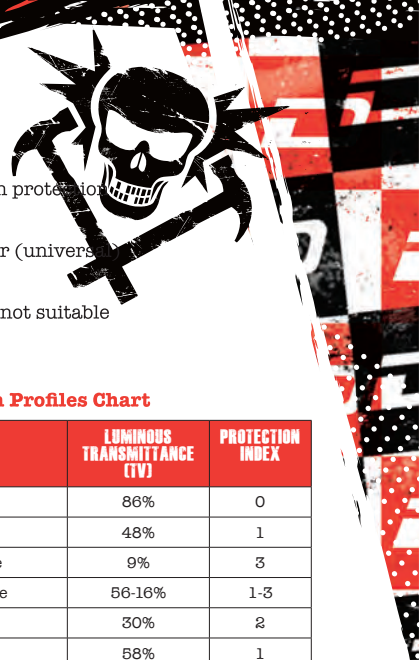
Dirty Dog **PHOTOCROMIC** lenses adapt to different brightness conditions to give you the optimum lens for all environmental light situations. The lenses change from light to dark with a switch time of 8 seconds and from dark to light with a switch time of 35 seconds.

With Dirty Dog Photochromic lenses you will be equipped for the most extreme weather changes.





# TECH INFO



## DIRTY DOG LIGHT TRANSMISSION

The sunglass lens type and protection index can be identified on the Lens Transmission Profiles chart below. Light transmission ranges from 11% to 76% of the available light. All transmission profiles are based on data obtained according to ANSI Z80.3 and EN 1836 test protocols. On the inside left arm of each Dirty Dog sunglass you will find the following information: model name/model code/lens code/protection index. If you key in the model name or model code in the search function on [www.dirtydog.com](http://www.dirtydog.com) the site will show an image of the model along with lens type and frame colour.

### SUNGLASS Lens Transmission Profiles Chart

LENS	LENS CODE	LUMINOUS TRANSMITTANCE (TV)	PROTECTION INDEX
Green Polarised Polyfilter	GPOL	15%	3
Green Polycarbonate	GPC	14%	3
Green Polarised Polycarbonate	GPOLPC	15%	3
Green Golf Polycarbonate	GFPC	20%	2
Green/Blue Mirror Polarised Polycarbonate	GHMPOLPC	8%	3
Green/Blue Mirror Polarised	GHMPOL	9%	3
Green/Green Fusion Mirror Polarised	GMPOL	14%	3
Green/Green Fusion Mirror Polarised Polycarbonate	GMPOLPC	14%	3
Grey Polarised Polyfilter	APOL	13%	3
Grey Polycarbonate	APC	15%	3
Grey Polarised Polycarbonate	APOLPC	13%	3
Grey Photochromic Polycarbonate	APHPC	14-47%	1-3
Grey/Flash Mirror Polarised Polycarbonate	AFMPOLPC	11%	3
Grey/Silver Mirror Polarised Polyfilter	AMPOL	14%	3
Grey/Silver Mirror Polarised Polycarbonate	AMPOLPC	14%	3
Grey/Silver Mirror Polycarbonate	AMPC	11%	3
Grey/Flash Mirror Polycarbonate	AMPC	11%	3
Grey/Orange Fusion Mirror Polarised Polyfilter	AOMPOL	15%	3
Grey/Orange Fusion Mirror Polycarbonate	AOMPC	8%	3
Grey/Blue Mirror Polycarbonate	AHMPC	27%	2
Grey/Blue Mirror Polarised Polycarbonate	AHMPOLPC	14%	3
Grey/Ice Blue Mirror Polarised Polyfilter	AHIMPOL	11%	3
Grey/Ice Blue Mirror Polarised Polycarbonate	AHIMPOLPC	13%	3
Grey/ Fusion Mirror Polarised Polyfilter	AHMPOL	8%	3
Grey/Blue Fusion Mirror Polycarbonate	AHMPC	17%	3
Grey/Gold Fusion Mirror Polarised Polyfilter	ALMPOL	15%	3
Grey/Red Fusion Mirror Polycarbonate	ABMPC	12%	3
Grey/Red Fusion Mirror Polarised Polycarbonate	ARMPOLPC	17%	3
Grey/Red Fusion Mirror Polarised Polycarbonate	ABMPOLPC	17%	3
Grey/Red Fusion Mirror Polarised Polyfilter	ABMPOL	17%	3
Grey/Purple Mirror Polarised Polycarbonate	APMPOLPC	10%	3
Grey/Purple Mirror Polarised Polyfilter	APMPOL	16%	3
Brown Polarised Polyfilter	CPOL	14%	3
Brown Polycarbonate	CPC	14%	3
Brown Polarised Polycarbonate	CPOLPC	11%	3
Brown/Flash Mirror Polycarbonate	CMPC	11%	3
Brown/Gold Fusion Mirror Polarised Polyfilter	CYMPOL	8%	3
Brown/Gold Fusion Mirror Polarised Polycarbonate	CYMPOLPC	8%	3
Brown Golf Polycarbonate	CFPC	22%	2
Amber Polarised Polyfilter	BRPOL	30%	2
Copper Polarised Polyfilter	KPOL	18%	3
Copper Polycarbonate	KPC	14%	3
Orange Polycarbonate	OPC	47%	1
Yellow Polarised Polyfilter	YPOL	15%	3
Yellow Polycarbonate	YPC	76%	1
Rose Polycarbonate	RPC	28%	2
Rose Flash Mirror Polycarbonate	RMPC	15%	3
Blue Polarised Polyfilter	AHPOL	42%	2
Blue Polycarbonate	AHPC	35%	2
Clear Polycarbonate	XPC	90%	0

## PROTECTION INDEX

- 0 Very light, insufficient sun protection
- 1 Light sunglare filter
- 2 Middle light sunglare filter (universal)
- 3 Dark sunglare filter
- 4 Very dark sunglare filter, not suitable for road traffic

### GOOGLE Lens Transmission Profiles Chart

LENS	LUMINOUS TRANSMITTANCE (TV)	PROTECTION INDEX
Yellow Polycarbonate	86%	0
Orange Polycarbonate	48%	1
Orange Silver Mirror Polycarbonate	9%	3
Orange Photochromic Polycarbonate	56-16%	1-3
Rose Flash Mirror Polycarbonate	30%	2
Rose Polycarbonate	58%	1
Brown/Gold Fusion Mirror Polycarbonate	15%	3
Grey/Flash Mirror Polycarbonate	21%	2
Grey/Silver Mirror Polycarbonate	10%	3
Grey Polarised Polycarbonate	15%	3
Grey/Red Fusion Mirror Polycarbonate	13%	3
Grey/Red Fusion Mirror Polarised Polycarbonate	15%	3
Grey/Blue Fusion Mirror Polycarbonate	11%	3
Grey/Red Flash Mirror Polycarbonate	15%	3
Grey/Green Fusion Mirror Polycarbonate	15%	3

## LENS MAINTENANCE

All Dirty Dog Lenses: To help maintain the superior optical quality of Dirty Dog lenses, your eyewear comes with a microfiber pouch for cleaning and storage. Using it will preserve the superior optical quality of Dirty Dog's Polycarbonate and Polarised Polyfilter lenses. Hand wash and air-dry the microfiber pouch regularly.

Mirror Lenses: Dirty Dog mirror lens coatings are engineered to reduce glare and improve contrast. An array of available tints allows the wearer to balance light transmission in any light condition. The mirror coating must be treated with special care to avoid scratching. Never use cleaning solutions. Use only mild soap and water, and dry by gently blotting with the Microfiber pouch provided.

## DIRTY DOG ADVANCED HINGE TECHNOLOGY



The hinges on Dirty Dog sunglasses and Optical frames are an inherent and important part of the overall design of the frame and a key factor of its strength.

The outstanding hinges are used for their exceptional strength and durability, preventing frame distortion.

The smooth action of the hinge remains stable throughout its full range of motion providing maximum hinge strength and ensuring the greatest comfort for the wearer.



## TECH INFO

# PLASTIC TR90



Moulded from Grilamide TR90, a thermoplastic polyamide. Dirty Dog frames are lightweight, extremely flexible yet strong with 100% memory allowing the frames to bounce back to their original shape. Put through the harshest testing conditions, Dirty Dog has proven TR90 will keep its properties in extreme temperature including low and high temperatures, as well as extremely humid or dry conditions. This makes them the perfect choice for any situation and gives the wearer a guarantee that they will stand up to the job. TR90 has demonstrated no risk of allergy and is FDA and CE approved.



Extremely flexible

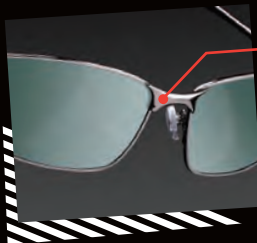
100% memory

Lightweight injection



# METAL

Dirty Dog use metal frames of extremely high quality which is guaranteed by their sophisticated electroplating and powder coating technologies in combination with epoxy coatings. This offers high grade resistance to oxidation and corrosion, resulting in frames that will outlast many others. The strong yet lightweight material provides superior durability and comfort for the wearer. Frames are tested rigorously to ensure they pass the high standards set by Dirty Dog.



Superior quality metal

Sophisticated electroplating, powder and epoxy coatings





## TECH INFO

# SPORT TR90



Ergonomically designed to be superior in comfort and fit in high performance sporting conditions. Rubber nose pads and temple tips for a non slip sunglass that will stay on when the heat is on. The sunglasses are specially vented eliminating fog and moisture which can cloud your vision. Super light weight TR90 frames with 100% memory add to the performance and comfort of these sunglasses. These frames are extremely durable coupled with shatterproof polycarbonate lenses for the ultimate sporting sunglass.



Rubber non slip nose pads

Hinges that are intrinsically designed and moulded into the frame



Rubber non slip temple tips

Half rim frame for weight reduction

# WETGLASSES TR90



Dirty Dog is up with the best in the marine industry to bring you legendary eyewear performance to your body of water. Dirty Dog Marine Grade standard takes into account the devastating effects of the outdoor environment and takes extreme measures to ensure optimum performance. When you are serious about your water sports, Dirty Dog WETGLASSES are the only option for you. WETGLASSES have 'Water Escape' vents and channels in the frame to allow water to flow away from your lenses and eyes keeping them as dry as possible. The specialised Hydrophobic coating on the lens repels water, coupled with a scratch resistant hard coat for maximum durability. WETGLASSES feature a fully detachable elasticised head band to keep them on your face when you need them most. This head band can be completely removed when you need to use them as everyday sunnies. Extremely lightweight frames with 100% memory made from TR90. These systems combine with a state of the art Polarised lens giving you the clearest view possible making it ideal for use in, on or around the water.



Fully detachable head band



Water escape vents and channels

Hydrophobic lens coating





## TECH INFO



# GOGGLES



Dirty Dog goggles are fitted with POLYCARBONATE lenses that have been treated with a specially developed Anti-Fog coating so these goggles will give you maximum clarity in the harshest conditions. But they have not stopped there! They have added Custom Venting Air Flow Technology (CVAFT) to give extra protection against dangerous lens fogging and giving you exceptionally clear feild of vision. The DIRTY DOG (CVAFT) Ventilation System uses carefully chosen areas for the intake and exhaust of cooling air. The Dirty Dog face foam is super soft open cell technical foam designed to maximise comfort. Produced with materials tested to -20 degrees you can wear them with the confidence that they will perform as well as you will, sometimes better!



- Strong and durable frame made from TPU
- Anti-UV colours
- Clear Tinted and mirror lenses with anti-fog and anti-scratch treatment
- Face foam: super-soft open cell technical foam



- Polycarbonate clip on the strap for ease of use around helmets
- Polyester elastic strap with anti-slip silicone bead

# OPTICAL

Dirty Dog optical frames are crafted from lightweight acetate or extremely high quality metal. The acetate frames are hand cut and ground then tumbled and polished for 96 hours to reveal the lustre and radiance of Dirty Dog's superior quality acetate. The perfectly polished frames ensure they are supremely comfortable to wear along with the surety of being low allergenic. While Dirty Dog optical frames are known for a superior fit due to our design process, they are also fully adjustable as the acetate can be easily adjusted by an Optician.

All acetate styles feature temple cores made from a unique metal alloy chosen for its high strength capabilities, which are injected into the frames to provide a stable backbone for the temple pieces. The metal frames use sophisticated electroplating and powder coating technologies in combination with epoxy coatings. This offers high grade resistance to oxidation and corrosion, resulting in frames that will outlast many others. The strong yet lightweight material provides superior durability and comfort for the wearer. Frames are tested rigorously to ensure they pass the high standards set by Dirty Dog.



- Superior quality metal
- Sophisticated electroplating and epoxy coatings
- Superior quality low allergenic acetate



- Metal temple core



# TECH INFO



# SNOW HELMETS

Dirty Dog helmets are designed for maximum safety when you need it most. Constructed with a protective outer shell made of PC or high impact ABS. These shells give the helmets durability, weather resistance and are easy to clean. Underneath the outer shell is EPS (expanded Polystyrene) which makes up the bulk of the internal mass of the helmet for the absorption of impact and temperature control. The ergonomic design of Dirty Dog helmets eliminates wind resistance enabling you a smooth unhindered ride.



Specially designed vents allow maximum airflow for ventilation to minimise moisture build up.



An advanced 7cm rear dial adjustable fit system is situated on the back of the helmet to ensure the correct fit everytime



Lightweight in-mold technology  
High density EPS (Expanded Polystyrene)  
PC (polycarbonate) shell



Heat sealed removable and washable interior pads  
Removable and washable ear pads



20 vents  
Top has opening & closing button  
Advanced 7cm rear dial adjustable fit system  
Goggle clip





# TECH INFO

## DIRTY DOG STANDARDS

**Dirty Dog lenses exceed the optical requirements providing safe levels of sun protection for the European, US and Australian/New Zealand standards.**

The international standard for sunglasses is ISO 12312, which was published in 2013. Part 1 specifies the physical and optical characteristics of glasses, including a range of UV protection levels. Part 2 specifies the test methods used to validate conformance with Part 1.

As of 2009, the European CE mark indicates that the glasses actually offer a safe level of Sun protection. The Australian Standard is AS/NZS 1067:2016 Sunglasses and fashion spectacles. The five ratings for transmittance (filter) under this standard are based on the amount of absorbed light, 0 to 4, with "0" providing some protection from UV radiation and sunglare, and "4" indicating a high level of protection, but not to be worn when driving.

The European standard EN ISO 12312-1 has four transmittance ratings: "0" for insufficient UV protection, "2" for sufficient UHV protection, "6" for good UHV protection and "7" for "full" UHV protection, meaning that no more than 5% of the 380 nm rays are transmitted. Products which fulfil the standard receive a CE mark. There is no rating for transmittance protection for radiation of up to 400 nm ("UV400"), as required in other countries (incl. the United States) and recommended by experts.

Categories for the European standard, which are required to be marked on the frame:

Category 0 - 80%-100% transmission - for fashion, indoor use, or cloudy days

Category 1 - 43%-80% transmission - low sun exposure

Category 2 - 18%-43% transmission - medium sun exposure

Category 3 - 8%-18% transmission - strong brightness, light reflected off water or snow

Sunglasses sold in the United States are regulated by the Food and Drug Administration and are required to conform to safety standards. The U.S. standard is ANSI Z80.3-2018, which includes three transmittance categories. According to the ANSI Z80.3-2018 standard, the lens should have a UVB (280 to 315 nm) transmittance of no more than one per cent and a UVA (315 to 380 nm) transmittance of no more than 0.3 times the visual light transmittance. The ANSI Z87.1-2018 standard includes requirements for basic impact and high impact protection. In the basic impact test, a 1 in (2.54 cm) steel ball is dropped on the lens from a height of 50 in (127 cm). In the high velocity test, a 1/4 in (6.35 mm) steel ball is shot at the lens at 150 ft/s (45.72 m/s). To pass both tests, no part of the lens may touch the eye.

## DIRTY DOG WARRANTY POLICY

All Dirty Dog eyewear is warranted against breakage due to defects in material or workmanship for one year from the date of purchase (two years in the EEC). This warranty is valid only with proof of purchase from an Authorised Dirty Dog dealer. Dirty Dog does not warrant any lens against scratches. Alteration, misuse or abuse of any Dirty Dog product will void its warranty. Legal rights under applicable national law governing the sale of consumer goods are not affected by this warranty. (EE DIRECTIVE 1999/44/EC).

### HOW TO MAKE A WARRANTY CLAIM

Customers should contact their local Authorized Dirty Dog Dealer or visit our website [www.dirtydog.com](http://www.dirtydog.com) for the number of the nearest Dirty Dog Distributor.

### WARNING:

This eyewear is not designed to protect the wearer from all injury in the event of impact with hard objects or if the lens is not properly secured in the frame.

Dirty Dog does not recommend tinted lenses be used for night driving, or direct viewing of the sun or strong artificial light sources. If your peripheral vision is impaired by the eyewear, do not wear while driving. Sunglasses and goggles are not recommended for industrial purposes.

The European standard EN ISO 12311 and EN ISO 12312 has four transmittance ratings: "0" for insufficient UV protection and "7" for "full" UHV protection, meaning that no more than 5% of the 380 nm rays are transmitted. Products which fulfil the standard receive a CE mark. There is no rating for transmittance protection for radiation of up to 400 nm ("UV400"), as required in other countries (incl. the United States) and recommended by experts.

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# SAFETY **DIRTY DOG** SAFETY SUNGLASSES... BUILT TOUGH

- Dirty Dog safety sunglasses are the ultimate in safety eyewear protection
- They are super strong yet lightweight
- Designed for maximum comfort and protection from physical hazards and glare
- All Dirty Dog safety sunglasses have a scratch resistant lens coating
- Come with a micro fibre pouch that doubles as a cleaning cloth



Highly curved, sleek design



Scratch resistant, distortion free polycarbonate lens

## MATERIALS AND DESIGN

- Innovative in design and fashion.
- Highly curved, sleek design lines molding to the contour of the cheekbone that can resist high velocity flying objects, protecting the sensitive skin around the eye cavities.
- Inserted with the highly scratch resistant, distortion free polycarbonate lens which offer unobstructed frontal and peripheral vision and optimum protection against impact, glare and UV radiation.

## STANDARDS

Dirty Dog Safety Sunglasses meet the Medium Impact requirements of the Australia/ New Zealand Standard AS/NZS 1337.1:2010 Eye Protector for Industrial Applications and have been tested by a National Association of Testing Authorities, Australia member in accordance with NATA requirements.

The lenses are intended for outdoor use where no optical radiation hazards exist other than solar radiation. They are intended to provide adequate protection against sun glare and ultraviolet radiation from the sun.

[WWW.DIRTYDOG.COM](http://WWW.DIRTYDOG.COM)