TECMAN
SPECIALITY MATERIALS

Providing bonding solutions for your business

AFAR Film

Anti **F**ingerprint **A**nti **R**eflection
High Performance Protection Film

Tecman's AFAR (Anti Fingerprint Anti Reflection) High Performance Protection Films have been designed to deliver high performance screen protection for LCD displays and touch screens.

The protection films are suitable for an extensive range of consumer electronics such as mobile phones, tablets, e-readers, notebooks and PC screens, they are also perfect for touch-screen kiosks, cash registers and ATM's.

Clear Protection Film

Tecman's range of Clear Protection Films includes screen protectors for use during manufacture and shipping and anti-static films which are suitable for applications in the automotive and telecoms market. All our screen protectors have excellent anti-scratch properties with a proprietary hard-coating ideal for the aftercare market. All our films are optically clear, anti-glare and anti-fingerprint. A specially formulated high grade silicone adhesive is used to give optimum clarity and is cleanly removable leaving no residue behind after prolonged usage. Our clear protection films work very effectively on both capacitive and resistive touch-screens and are quick and easy to apply.

NEW - Anti-bacterial Protection Film

Tecman's high performance Anti-Bacterial Protection Films have a proprietary hard coating that kills 99% of bacteria and pathogens, the hard coat incorporates pure metal nano – technology which prevents bio-film colonization of the surface. The surface treatment will kill pathogens such as MRSA, E-coli and other virulent bacteria greatly reducing the risk of cross-contamination. In recent years the risk of pandemics has increased greatly with different strains of influenza and viruses such as Sars and the Corona virus.

As a means of exogenous pathogen control the films are ideal for prevention of HAI (hospital acquired infection), strains of bacteria are becoming more and more resistant to antibiotics which is a serious public health issue.

Our anti-bacterial protection films are an excellent form of infection control in hospitals and medical practices. The films can be used on touch screen EPOS systems in restaurants, bars, supermarkets and stores; places where food is sold and produced, reducing the risk of contamination. The increasing use of touch screens as reception kiosks, check-ins and ticket machines where large numbers of people are using them on a daily basis, requires that the screens are protected from damage and the users are protected from infection agents, every measure should be taken to reduce risk in public places and in the workplace.

AFAR Film Product Range

Product Code	Film	Total Thickness	Adhesive	Peel Adhesion Grams / in	Tensile Strength Kg/in2	Hardness	Application
TEC 405CP	40mic CPP	55mic	Silicone	1.5	6	3H	Shipping
TEC 670PO	60mic PO	70mic	Silicone	25	7		Home Appliances
TEC 556AS	38mic PET	45mic	Acrylic	9	5		Anti-Static
TEC 652AS	125mic PET	165mic	Silicone AS	1.5	50	3H	Anti-Static
TEC 858T	100mic PET	130mic	Silicone	20	45	3H	Aftercare
TEC 858S	100mic PET	130mic	Silicone	20	45	3H	Aftercare
TEC 512HC	100mic PET	120mic	Silicone	5	20	2H	Anti-bacterial
TEC 512AG	100mic PET	120mic	Silicone	5	20	2H	Anti-bacterial

TEC 405CP

A 40micron thick chlorinated polypropylene film with a silicone adhesive designed for protecting screens during shipping. The film has a 3H hard-coat anti-scratch treatment and is suitable for glass, PMMA and Polycarbonate screens. Ideal for touch-screens.

Hard coat layer

Chlorinated PP Film (40mic)

Silicone PSA (15mic)

Liner

TEC 670PO

A 60micron thick polyolefin film coated with a silicon adhesive that is clean removable. The film is used for home appliances such as televisions; the film is soft and conformable for curved surfaces and has clean removable adhesive leaving no residue.

PO film (60mic)

Silicone psa

TEC 512AG

A 100micron thick matt PET film with a clean removable silicone adhesive. The film is anti-glare, anti-fingerprint, 2H anti-scratch and has an ant-bacterial treatment, designed for mobile phone, tables and all types of touch screen devices.

Surface protection tape (PET 38mic)

Anti-glare coating (5mic)

PET film (100mic)

Silicone adhesive (15mic)

Release film (PET 50mic)

TEC 652AS

A 125micron thick PET film with a 40micron coating of silicone adhesive, the film has a 3H anti-scratch hard coating and is anti-static. Protection for glass touch-screens, PMMA and Polycarbonate screens.

Hard coat layer

Primer

PET film (125mic)

Silicone PSA (Anti-Static)

PET liner

TEC 556AS

A 38micron thick PET film with low coat-weight acrylic adhesive, the film has an anti-static treatment and prevents the attachment of dust and particles to glass or Polycarbonate screens. The film is transparent and adhesive is clean removable, designed for protecting screens in the manufacturing process.

PET (38mic)

Anti-static treatment

Acrylic adhesive (7mic)

PET liner

Release film (PET 50mic)

TEC 512HC

A 100micorn thick optically clear protection PET film with a clean removable silicone adhesive the film has an anti-bacterial treatment and a 2H anti-scratch hard coat designed for mobile phones, e-reader, tablets and touch screens.

Surface protection tape (PET 38mic)

Hard coat layer

PET film (100mic)

Silicone adhesive (15mic)

Release film (PET 50mic)

TEC 858S

A 100micron thick matt anti-glare protection film with a clean removable silicone adhesive. The film has a 3H anti-scratch hard coat. This film is designed for the aftercare market for smart phones, and all types of touch-screen devices.

PET film (100mic)

Silicone PSA

TEC 858T

A 100micron thick optically clear protection film with a clean removable silicone adhesive the film has a 3H anti-scratch hard coat. The film is designed for the aftercare market for smart phones, and all types of touch screen devices.

Hard coated layer

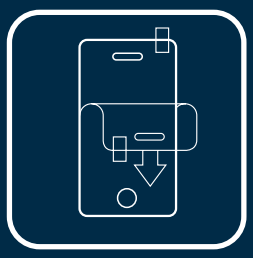
PET film (100mic)

Silicone PSA

Liner

Application Instructions

1. Before applying the clear protection film, ensure the screen is thoroughly cleaned, removing any dust, dirt or grease. An optical wet wipe is the best method, used in conjunction with a micro-fibre cleaning cloth to remove any residual dirt and dust particles.



2. Pull the blue tab to remove the film liner protecting the adhesive side of the film, holding the film by the edges to avoid touching the adhesive coating on the film.

3. Carefully position the film over the surface of the screen aligning the edges and lay the film onto the screen. At this point the adhesive on the film will start to 'wet out' without any pressure. Use the plastic applicator tool to smooth out any air bubbles, apply pressure from the centre of the screen to the edges to remove any air bubbles.

4. Dust on the screen will cause air-bubbles to form under the film, these can be removed by peeling back the film to the point where the bubble is located and again wiping the screen carefully with the micro-fibre cloth. Make sure that the film is aligned with all the edges of the device and sufficient pressure is applied at the edges to get the best bond onto the glass screen.

5. Pull the red tab to remove the outside filmic liner protecting the screen film.

6. Your screen is now protected

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