

# TOA NanoTechnology

## Hybrid Nano

100% Premium Acrylic Emulsion Paint



### EXTERIOR

- Long-lasting protection under severe climate
- Excellent water & oil resistance
- Excellent mold & fungus resistance
- Excellent dirt pick-up resistance
- Low VOCs



### INTERIOR

- 99.99% anti-bacteria with Nano Silver (Ag+)
- Excellent washability
- Silky Smooth Finishing
- Excellent coverage & hiding
- Low VOCs & odor

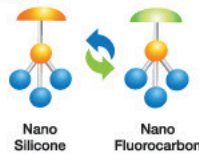
# TOA Nanoshield Hybrid Nano

EXTERIOR



The term 'Hybrid' has widely known for a thing made by combining 2 different elements. TOA Research & Development Team has developed the latest innovative paint technology from Germany : *Protective Hybrid Technology*.

We combine 2 imported premium quality nano-molecules from the U.S. and Germany into one pail of paint to assure it has the excellent protective property, deep into molecular surface level.



✓ Long-lasting protection under severe climate

TOA NanoShield has superior efficiency of UV protection and durable under severe climate conditions, up to 8 years.



✓ Water & Oil Resistance

TOA NanoShield is resistant to water because of containing Nano Silicone molecules. Paint films will not absorb water molecules. Stains from rains will be washed off through paint films.



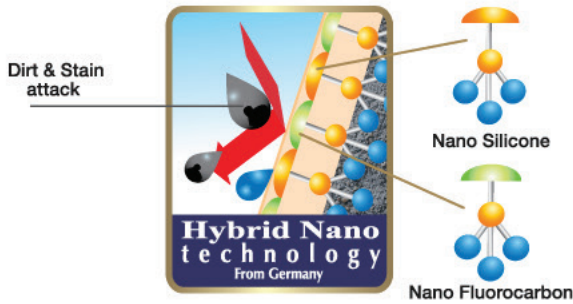
✓ Excellent Dirt Pick-up Resistance

TOA NanoShield has slippery surface properties. Water or oil stains will not be easily stick on paint film.



✓ Excellent on Mold & Fungus Resistance

TOA NanoShield prevent paint film from peeling off and mold and fungus formation. Paint film will be new and durable over years.



Surface Level of Paint

## How Hybrid Technology works :

### Nano Silicone: Water-Repellent

Did you know water is a cause of paint problems? Nano Silicone is an inorganic substance able to repel water molecule out of paint film.

Without water penetration, it protects surfaces from problems: chalking, blistering, algae-fungus formation, and dull colors. Plus, Nano Silicone has another special property to resist UV light from the sun for over years.

### Nano Fluorocarbon: Oil-Repellent

Dirt and oil from pollution and rain make house look old and lousy. Nano Fluorocarbon has exclusive properties of excellent dirt-stain repellent and oil resistance. Paint film becomes excellently washable, highly protective, and self-cleaning over time.

From these facts, you can now be confident that TOA NanoShield is the best and smart choice that is worth the investment.



Normal Paint



TOA Nanoshield Paint



# TOA NanoClean

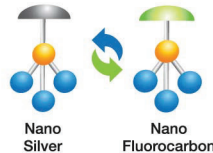
Hybrid Nano

INTERIOR



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## Nano Silver: 99.9% Anti-bacteria

You may not be aware that bacteria around you is more dangerous than you think. Bacteria is one of the causes of many common diseases around you, such as, severe diarrhea, minor skin infection, and high fever.

Nano Silver is a substance that has been tested and proved by renown laboratories.

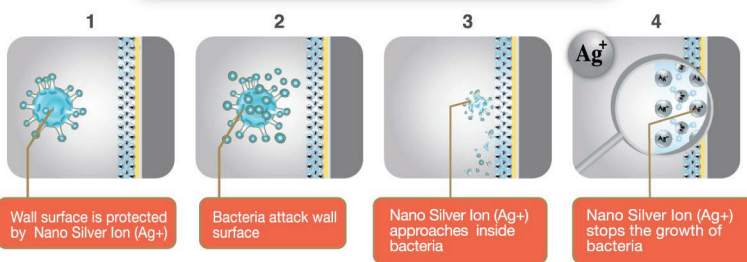
Nano Silver has a unique property to stop the growth of bacteria up to 99.9%.

## Nano Fluorocarbon: Excellent Washability

Nano Fluorocarbon provides a stronger protective paint film than common washable interior paints. The nanomolecule can repel, both water and oil. As a result, any stain and dirt can be easily removed out from the surface, with its excellent washability and durability property.

Moreover, **TOA NanoClean** is low odor and low VOCs (Volatile Organic Compounds). From these facts, you can now be assured that **TOA NanoClean** is the best and wise choice for your house and beloved family.

### How Nano Silver Ion (Ag+) works:



### Anti-bacteria Test



Normal Paint :  
Bacteria grows



TOA NanoClean :  
Bacteria stops growing



- ✓ **99.9% Anti-bacteria with Nano Silver**  
TOA NanoClean is able to kill 99.99% of bacteria with Nano Silver (Ag+) that is widely used in premium air conditions and refrigerators.



- ✓ **Excellent Coverage & Hiding**  
TOA NanoClean has superior coverage and hiding power with smooth and silky finishing.



- ✓ **Excellent Washability with Silky Smooth Finishing**  
TOA NanoClean has the excellent washable property and assures that walls will look clean and new at all time.



- ✓ **Protective against Fungus & Mold Formation**  
TOA NanoClean has the excellent fungus and mold resistance that protects unwanted molecules on paint films from years to years.

### Safe for Users & Environments

It is lead-free and mercury-free, with low odor and low VOCs technology. Nano Series is a green product that is environmental-friendly.

A green product that is environmentally-friendly with Low VOCs technology.



TGL-4-R3-08

# TOA NanoTechnology

Hybrid Nano

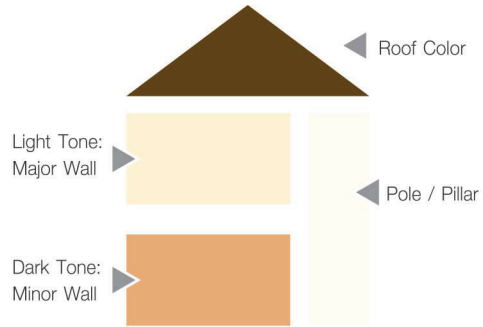


100% Premium Acrylic Emulsion Paint For Exterior & Interior

## Exterior Guide

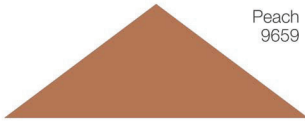







Trendy color matching for outstanding & unique exterior

### Color Matching Advice



### Classic Style



 Peach 9659	 Regal Blue 9647
 Whisper of White 8556	 Clean Canvas 7938
 Swiss Cream 8552	 Firefly Flicker 7916
 African Desert 8558	 Edgemoor 7820

 Evening Moon 7908	 Lynne Acres 7900	 Pale Ivory 7892	 Zahria 7962
 Apricotta 7963	 Rave Rachel 7971	 Such a Peach 7970	 Seville Orange 7967
 Soft Shoulders 7972	 Moon Magic 7940	 Sea of Sand 7937	 Great Gaucho 7934



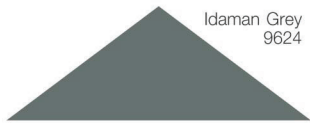
= All colors are referred from TOA COLOR WORLD fandeck.

• The colors presented are shown as close to actual paint colors as modern printing techniques allow.

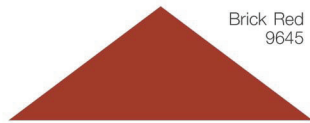


• Color variation may occur depending on lighting or finishing selected.

# Classic Style



Idaman Grey  
9624



Brick Red  
9645



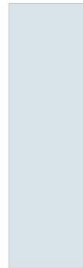
Aqua Mist 7452



Icy Cool  
7292



Simply Heaven 7411



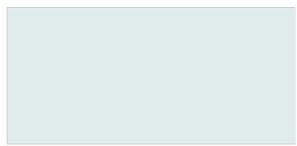
Soft Beauty  
7316



Turquoise Depths 7424



Storm Blue Sky 7367



Whispery Breeze 7412



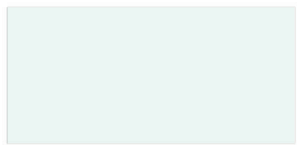
Clear Lake 7380



The Wild River 7352



Bonaventure 7359



Sweetest of Dreams 7356



Snowflake Confetti 8300



Elegant Excelsior 8322

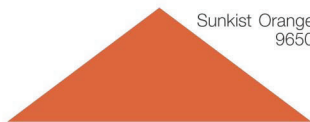


Pussy Willow 8329

# Contemporary Style



Plus Green  
9651



Sunkist Orange  
9650



Spring Sonata 7708



Dessert Palm  
8467



Island Life 7699



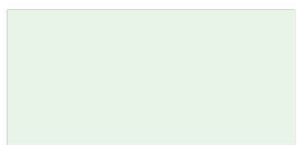
Tree of Life  
8451



Snappy Green 7712



Cool As A Cuke 7799



Glint of Green 7620



Spring Green 7604



Popular Green 7635



Spring Leaves 7658



Sand Castle 8482



Westover Hills 8496



Head for the Beach 8480



Pewter Moon 8435

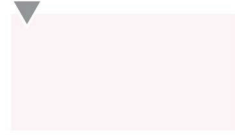
- Available in 1 Litre, 5 Litres, and 15 Litres
- Available in White 1100 for NanoShield & 2100 for NanoClean

# Interior Guide

Harmonized color matching for elegant & modern interior decoration with your own style

## Color Matching Advice

60% Light Tone : Major Wall



10%

Outstanding Tone:  
Feature Wall 1



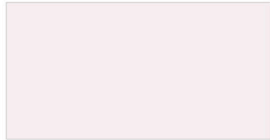
30%

Outstanding Tone:  
Feature Wall 2



## Romantic Style

Purple Reigns 7140

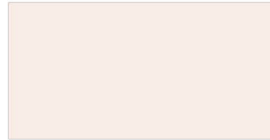


Wisteria Wish  
7145



Spring Sprig  
8706

Gossamer 8052

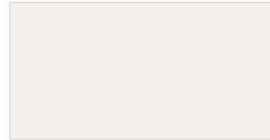


Sitting Pretty  
8191



Violet Vista  
7226

Daybreak Mood 8204

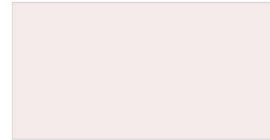


Regal Jewel  
7150



Raisa  
8134

Soft and Sweet 8188



Lady Like  
8200



Chelsea Rose  
8088

## Chic Style

Bridal Wreath 8460



Orange You Glad  
8023



Pumpkin Harvest  
7958

Creamy Natural 8483



Cameroon Bay  
8774



Somerton  
7902

Turiya 8450



Coral Cove  
8030



Sun Bright  
7830

Fading Fog 8307



Autumn Splendor  
7990



Lady Love  
8086

## Cozy Style

Travertine Trail 8459



Pete's Parrot  
7639



Garden Promenade  
7824

Grey Mare 8291



Tropical Teal  
7486



Spring has Sprung  
7728

Precious Dew Drop 7307



Puerto Mio  
7430



Pleasant View  
7457

Breathtaking Blue 7327



Harbor Blue  
7270



Lupe's Lake  
7361

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Hybrid Nano



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### Penyediaan Permukaan

Pastikan permukaan yang hendak dicat bersih, kering dan bebas daripada kekotoran, minyak, dan sebagainya. Tanggalkan semua cat yang mengelupas atau sisa berserbuk secara memberus dengan memberus dengan berus keras sambil menyembur air atau menggunakan penyembur air tekanan tinggi. Permukaan yang dicemari cendawan, lian, alga atau lumut mesti dibersihkan dengan TOA MicroKill. Baiki kecacatan dengan TOA Acrylic Filer atau TOA 102 D-Cote. Menggunakan TOA Wallsila 800/ TOA Wallsila 900 jika terdapat alkali tinggi dipermukaan. Tidak sesuai menyapu cat pada dinding yang mempunyai kelembapan tinggi, ketika hujan dan permukaan berserbuk.

### Data Penggunaan

Kering Disentuh	: 30 minit, bergantung pada suhu dan kelembapan
Tempoh Lapisan Semula	: 1 - 2 Jam
Liputan Teori	: 10 - 12 m <sup>2</sup> per litre per lapisan
Jumlah Lapisan	: minimum 2 lapisan
Pencair	: Guna air bersih (jika perlu, cairkan dengan maksima 10% air)

### 表面处理

确保被涂装的表面清洁, 干燥, 无油脂或者其他污渍。请使用硬质刷子或高压喷水器将墙面的松散或剥落物质清除干净。若墙面生长有霉菌或者藻类生物, 请使用TOA MicroKill进行祛除处理。请使用TOA Acrylic Filer修补墙面裂纹, 或使用TOA 102 D-Cote抚平墙面。若墙体碱性较高, 应使用TOA Wallsila 800 / TOA Wallsila 900底漆为墙壁做封底处理。请勿在水分含量较高的墙面和潮湿下雨的天气情况下施工, 并且勿直接在墙灰的粉状表面上涂装。

### 施工细则

漆干	: 30分钟
再次涂刷间隔	: 1 - 2小时
理论可覆盖面积	: 10 - 12平方米/公升, 视墙面情况而定
涂刷层数	: 至少2层
产品稀释	: 产品无需稀释, 若有必要, 至多加入10%的清水

### Surface Preparation

Ensure the surface is clean, dry, free from dirt, oil, grease and other foreign bodies. Remove all loose or powdery residues by brushing, scraping or high pressure water jet. Areas affected by mould, lichen, algae or moss must be treated with TOA MicroKill. Repair wall cracks with TOA Acrylic Filer or smoothen wall with TOA 102 D-Cote. Apply TOA Wallsila 800 / TOA Wallsila 900 where high alkalinity is present. DO NOT apply where moisture content is high or during rainy weather, or powdery surface.

### Application Details

Touch Dry	: 30 minutes, depending on ambient temperature
Recoat Interval	: 1 to 2 hours
Theoretical Coverage	: 10 to 12 m <sup>2</sup> /litre, depending on substrate condition
No. of Coats	: minimum 2 coats
Thinning	: Thinning is not required, if necessary, thin up to maximum of 10% water

### Maklumat Keselamatan, Kesihatan dan Alam Sekitar

Pastikan tin sentiasa ditutup rapat dan jauhkan dari kanak-kanak. Jauhkan dari suhu yang keterlaluan dan simpan di tempat yang teduh. Permukaan pelindung mata yang sesuai adalah disyorkan apabila mengecat. Jika terkena pada mata, basuh dengan air bersih dan dapatkan rawatan perubatan dengan segera. Bersihkan percikan cat di kulit, gunakan pembersih kulit yang sesuai atau sabun serta air. Jangan buang sisa cat ke dalam longkang atau saliran air. Rujuk kepada Lembaran Data Perkhidmatan Teknikal TOA Paint untuk maklumat yang lebih lanjut.

### 安全、健康及环保细则

密封常温保存且远离儿童。涂漆时必须配戴护目镜, 若意外接触眼睛, 须立即用大量清水冲洗眼部, 并立刻寻求医疗救助。若接触皮肤, 请配合使用肥皂或其他安全的洁肤产品进行冲洗即可。若漆桶意外翻倒泼洒, 请用泥土或干沙覆盖后清除。请勿把产品倾倒或丢弃在河道或水源里。产品详细数据请查阅TOA Paint技术服务数据表。

### Safety, Health and Environment

Keep container closed when not in use and out of reach of children. Protect from extremes of temperature. Store in a cool place. Avoid contact with skin and eyes. It is advisable to wear protector while applying. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. To remove splashes of paint from the skin, use soap and water or skin care product. Do not empty paint into drains or water courses. Refer to TOA Paint Technical Service Date Sheet for further details.

## Painting System

### Surface Preparation



Construction Chemicals  
Note: Please refer to its catalog

### Primer



1 Coat of TOA Wallsila 800 for new surface or  
1 Coat of TOA Wallsila 900 for old surface

### Top Coat



2 coats of TOA NanoShield or TOA NanoClean

Application System

## TOA COLOR WORLD

TOA Color World, Experience color selection with our computerized color tinting machine at TOA's dealers near your house.

**Convenient** : Choose any colors you want from TOA's fandeck

**Time-Saving** : High tinting accuracy, within only 3 minutes.

**Quality** : The same assured quality as paints produced from factory standard



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TOA Paint Products