

FLUOROCARBON PAINTS TECHNICAL SPECIFICATION

| TEST ITEM | PERFORMANCE REQUIREMENT (AAMA 2605 - 05) | BECKRY FLOUR TEST RESULTS |
|----------------------------|--|---------------------------|
| Gloss ASTM D523@60°C | Low Normal High | Gloss Range(25 - 35 unit) |
| Pencil hardness ASTM D3363 | >=F | Pass |

GRIDING TEST (1MM)

| | | |
|--|---|----------------------|
| Dry Film (AAMA 2605 - 05 7.4.1.1) | Adhesive Attraction 100% | Excellent, No Change |
| Wet Film (AAMA 2605 - 05 7.4.1.2) | Adhesive Attraction 100% | Excellent, No Change |
| Pochieren (AAMA 2605 - 05 7.4.1.3) | Adhesive Attraction 100% | Excellent, No Change |
| Backside Impact (AAMA 2605 - 05 7.5.1) | No Crack, Adhesive attraction 100% @ 3mm ± 0.3 mm | Excellent, No Change |
| Abrasion Resistance Test (AAMA D968) | 40kgs/25 µm | Pass or Surpass |

CHEMICAL RESISTANCE

| | | |
|--|-----------------------------|-----------------|
| Hydrochloric Acid (AAMA 2605 - 05 7.7.1) | No Bubble, No Change by Eye | Pass or Surpass |
| Cement (AAMA 2605 - 05 7.7.2) | No Change | Pass or Surpass |
| Nitric Acid (AAMA 2605 - 05 7.7.3) | ΔE<5 | Pass or Surpass |
| Detergent (AAMA 2605 - 05 7.7.4) | No Change | Pass or Surpass |
| Window Detergent (AAMA 2605 - 05 7.7.5) | No Change | Pass or Surpass |

CORROSION RESISTANCE

| | | |
|--|---|-----------------|
| Moisture Test, 400hrs x 100% RH x 38°C (ASTM D2247 or ASTM D 4585) | No Bubbling (ASTM D 714) | Pass or Surpass |
| Salt Spray Test, 400hrs x 5% NaCl (ASTM B117) | Average Side Corrosion 7 Grade, Bubble 8 Grade (ASTM D1654) | Pass or Surpass |

WEATHER RESISTANCE (Florida, 10 years)

| | | |
|---------------------------------|-----------------------|-----------------|
| Aberration (ASTM D2244) | ΔE<=5 | Pass or Surpass |
| Pulverization (ASTM D4214) | ≤ 8 Grade | Pass or Surpass |
| Gloss Retention Rate(ASTM D523) | ≥ 50% | Pass or Surpass |
| Corrosion(ASTM D244) | Paint Film Drop < 10% | Pass or Surpass |

PANEL PHYSICAL PROPERTIES

| PROPERTY | MEASUREMENT |
|-----------------------------|--|
| Total Panel Thickness | 4mm, 5mm, 6mm |
| Aluminium Alloy Thicknesses | 0.12mm, 0.15mm, 0.18mm, 0.21mm, 0.31mm, 0.40mm, 0.45mm, 0.50mm |
| Standard Panel Size | |
| Width | 1250mm, 1550mm |
| Length | 3200mm, 4000mm |
| Maximum Custom Panel Size | Custom width and length available upon request subject to minimum quantities |
| Width | 1575mm |
| Length | 6000mm |
| Panel Weight | 8.12 kg /m ² for 4mm/0.50mm thick panel |



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COLOUR BOOK

THE WORLD'S FIRST A2ACP SUSTAINABLE CORE TECHNOLOGY

Nu-core™ A2ACP comprises of inorganic material which is both non-flammable and non combustible and importantly sustainable. The core is sandwiched between two sheets of high strength skin, Aluminium (ACP), or Stainless Steel (SCP).

FEATURES

- + A2 Fire rated inorganic core
- + Non-flammable
- + Non-combustible
- + Sustainable natural core
- + High tensile skin
- + Extensive range of finishes and textures, PE, PVDF, Stainless Steel
- + Highest quality raw materials used

BENEFITS

- + Superior fire proof
- + Fixed with smartfix® fixing system
- + Highly decorative and eye catching
- + Long lasting in all finishes
- + Low maintenance
- + Fast and easy to install using smartfix® fixing system
- + Nu-core™ Sustainable A2ACP is available as a bundled product with smartfix® fixing system

CORE MATERIAL

The standard core is made up of 99.5% inorganic material which is both non-flammable and non-combustible (Fire resistant core tested in accordance to EN13501-1:2007)

GB/T17748

GB8624-2006 A2-S1.d0.t0

Building material and product burning performance classification.

FINISHES: PVDF/PE

Three coat system, consisting of a primer, topcoat and clear coat with a minimum thickness of 28 microns.

Reverse side can either be a milled aluminium finish or a polyester base coat finish. Nano Pvd application available.

Specialty Finishes available upon request.

APPLICATIONS

Facades, external and internal features and columns and signage for commercial, multi-residential and industrial buildings.

NU-CORE™ A2ACP THE LEADING BRAND IN FIRE RETARDANT ALUMINIUM COMPOSITE PANELS



A2 Fire Resistant
Zero fire spread and or droplets when fire tested. Certified EN13501-1.



Sustainable
99.5% inorganic Core Composition. First of its kind.



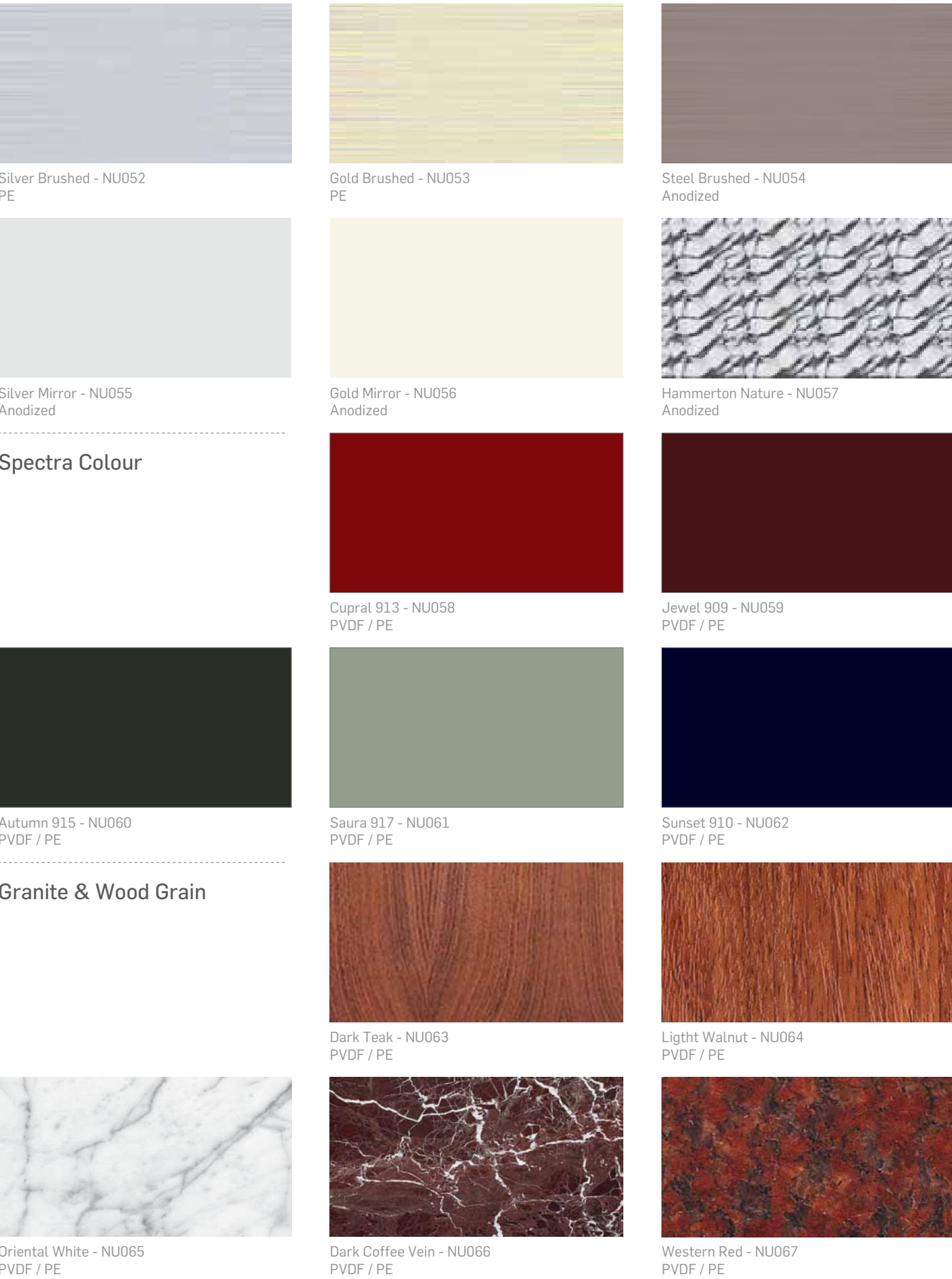
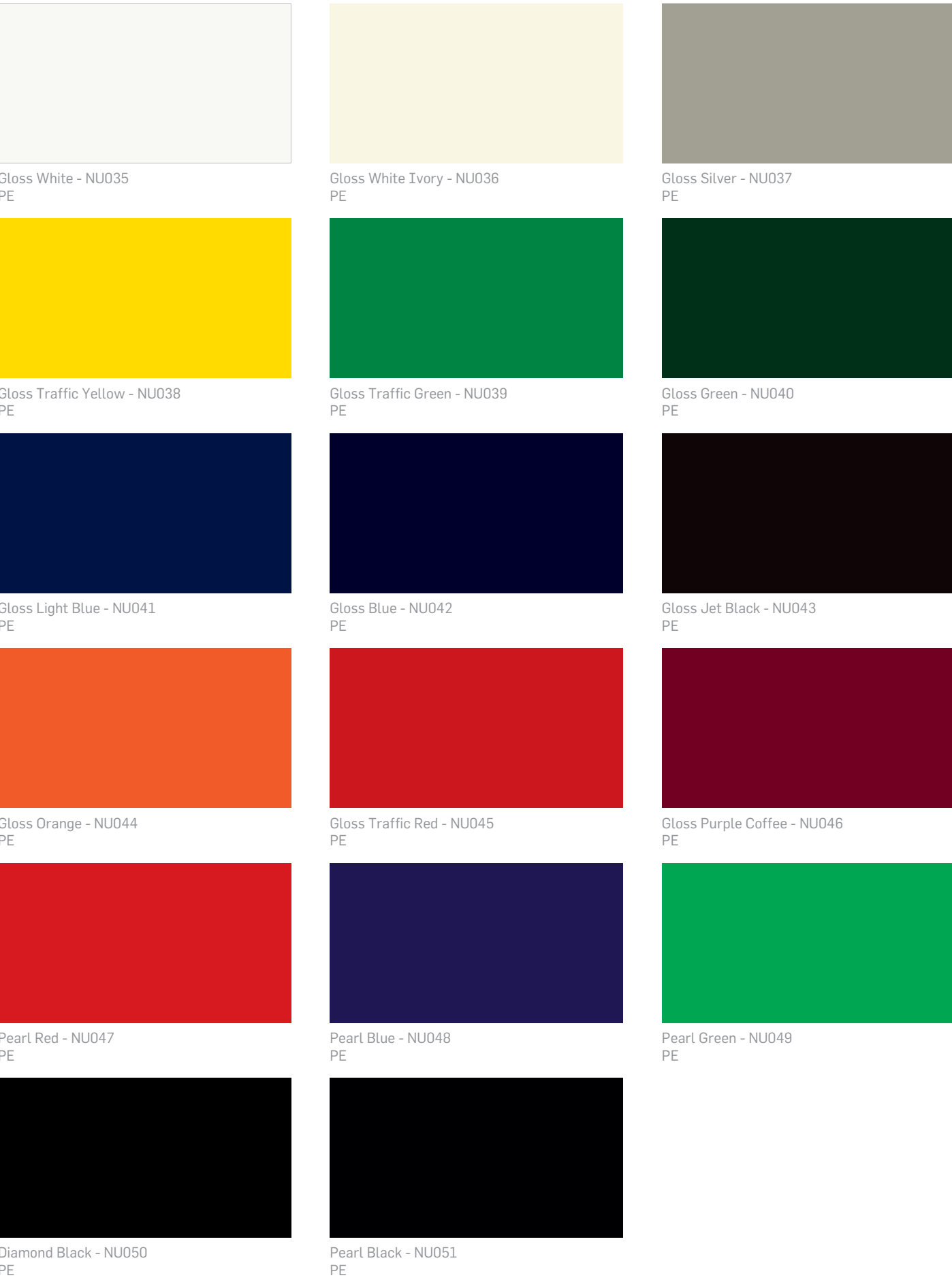
Advanced Fixing Technology
Installed with the award winning smartfix® ACP Fixing System.

Nu-core™ A2ACP fills the gap for Aluminium composite panel applications where traditional FR ACP products were limited.

Strict Fire requirements are increasing in many regions and are phasing out the use of B1 tested FR ACP due to poor fire performance characteristics.

A2ACP has passed A2 s1 d0 - zero fire spread and or droplets when exposed to fire, proving that the safe performance of A2ACP is the next generation in Aluminium Composite Panels.

PVDF/PE



Spectra Colour

Granite & Wood Grain