Q30 SUPER PROTECTIVE FILM

Product Size	400ml
Gross Weight	370g
Net Weight	276g
UN Number	1950
Custom Code	3403.19.00
Country of Manufacture	RSA
Barcode	6001690300757
Article Number	030061

CHARACTERISTICS	
Colour	Clear
Texture	Liquid
Odour	Characteristic
Temp Range	N/A

PACKAGING	
Type	Card Box
Dimensions	H:21 W:21 L:27cm
Box Weight	4.63kg
Packaging Group	Class II
Valve Type	Standard
Cap	Translucent Blue
Pack Type	Aerosol
Units in Carton	12

Product Description

✔ SEALS ELECTRICAL CIRCUIT BOARDS ✔ PREVENTS RUST & CORROSION
✔ PREVENTS TARNISHING ✔ 500 HR SALT SPRAY TEST CERTIFIED
✔ UP TO 1000% ELONGATION ANTI-CRACK ✔ PEEL OFF FILM

Q30 is a Super Protective film that gives long-lasting protection against corrosion and water ingress. Q30 is completely transparent and can be sprayed onto any exposed metal surface. Q30 has an extremely high electrical tolerance (up to 1000V) and can be sprayed onto electrical circuit boards. Q30 can be peeled off, and can stretch by up to 1000%. Q30 is 500 hour salt spray test certified and withstands temperatures of 100°C for extended periods of time. Q30 prevents tarnishing, seals electrical circuit boards, prevents corrosion, seals small leaks in skylights, and insulates and protects PCB's.

Ideal Usage

Application of Product

Directions:
Adjustable nozzle - vertical or horizontal spray pattern. Surfaces to be sprayed must be clean and dry. Must be free from oil, grease, rust etc. Shake can for a full minute before use. Hold can approximately 20-25cm away from surface. Hold can at a 30° angle and depress nozzle fully. Spray one thin coat on surface and allow to dry for a minimum of 5 minutes. For best results repeat this process at least 2-3 times. Always test the product for compatibility on an inconspicuous area. DO NOT APPLY A SINGLE THICK APPLICATION. Once surface is properly covered allow 20-25 minutes to dry before handling. Invert can and clear nozzle after use. For removal simply peel off.

Test Results/Approvals/Certificates

Salt Test: 500 Hrs

Insulation Test:

Thermal Insulation Test

PURPOSE:

To determine if Q30 with a dry film thickness (DFT) of 20 µm will prevent circuit boards from cooling during use and possibly cause over heating

ABSTRACT:

Aluminium panels coated with Q30 at varying DFT were heated at 90°C. The surface temperature of the samples was measured versus time until the panels had returned to ambient temperature. An uncoated aluminium panel was treated in the same manner as a comparison.

SUMMARY:

- The coated samples cooled more slowly than non-coated after removal from the oven.
- Doubling the coat weight of Q30 to 40 µm had a negligible effect on the thermal insulation in comparison to 20 µm.
- This suggests that a 20 µm will not prevent circuit boards from cooling during use. However, it is strongly suggested that similar tests are repeated on coated circuit boards for a more representative analysis.

EXPERIMENTAL:

- 2 Aluminium panels, 0.6 mm x 76 mm x 152 mm, were coated with Q30 Aerosol on both sides.
- The DFT was determined using a Minitest 100FN Coating Thickness Gauge (Spraylat International Ltd. Standard Test Method – 14).
- Thin coats were applied until the DFT was on average 20 µm and 40 µm respectively
- The samples were then cured for 48 hr.
- The 20 µm and 40 µm panels were placed with an uncoated aluminium panel into an oven at 90°C for 2 hr.

Test Results/Approvals/Certificates

Thermal Insulation Test Continued

TEST:

- The samples were removed and the surface temperature was determined using a Raytek Raynger St Infra-Red Thermometer.

- The surface temperature analysis was repeated at regular intervals.

- The ambient temperature of the test laboratory was 15°C

Test Results/Approvals/Certificates

Thermal Insulation Test Continued

RESULTS:

Time / Min	0 µm / °C	20 µm / °C	40 µm / °C
0	59	59	60
1	18	41	44
2	17	33	34
3	17	28	29
4	16	24	25
5	16	22	23
6	15	19	21
7	15	19	20
8	15	18	19
9	14	17	18
10	14	17	18
11	14	17	18
12	14	17	17
13	14	16	17
14	14	16	16
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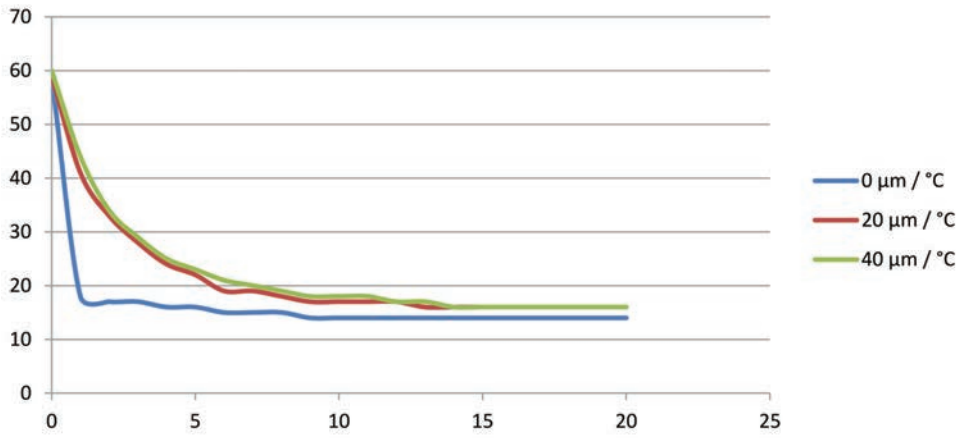
18	14	16	16
19	14	16	16
20	14	16	16



CONCLUSION:

- Q30 does provide thermal insulation to aluminium panels.
- A 20 µm DFT coat of Q30 provides similar insulation to a 40 µm DFT coat.

Test Results/Approvals/Certificates

Flamability Test:

SOUTH AFRICAN AIRWAYS
TECHNICAL

South African Airways Technical
NDI Laboratory
Room 105
NDT Building
Jones Road
O.R Tambo International Airport
1627.

Private bag 12
NDT Building
O.R Tambo International Airport
Tel: 27 11 978-5307
Fax: 27 11 978-6421
Email: alwynfouché@flysaa.com

29 January 2015

Att: Simon Smith
Triton – Leo Group (PTY) LTD
Triton Leo House
P.O. BOX 459
Isando 1600
Republic Of South Africa

Dear Simon Smith,

RE: Flammability Test on Q30 Super Protective Film as per FAR(Federal Aviation Regulations) 25.853

This serves to confirm that a mild steel plate that was coated with Q30 Super Protective Film manufactured by Triton – Leo Group was submitted to SAA Technical NDI Laboratory for Flammability Testing as per FAR 25.853.

Conclusion: FAR 25.853: **Passed**

Flame at 843 Deg C minimum was applied for 12 seconds, and the sample had a zero second burn rate and zero drip rate. Once the flame was removed the product did not burn at all. There was very little degradation visible of the product on the plate and the product was still peelable.

Test done by **Mr J.Fouché**

Regards,

Mr. AJ Fouché
Senior Inspector.

Safety Data Sheet Summary

2.1.1. Classification - 1999/45/EC

Classification: F; R11 Xn; R65 Xi; R36 R52/53-66-67
Symbols: F: Highly flammable. Xn: Harmful.

Main hazards: Highly flammable. Irritating to eyes. Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Harmful: May cause lung damage if swallowed. Repeated exposure may cause skin dryness or cracking. Vapours may cause drowsiness and dizziness.