

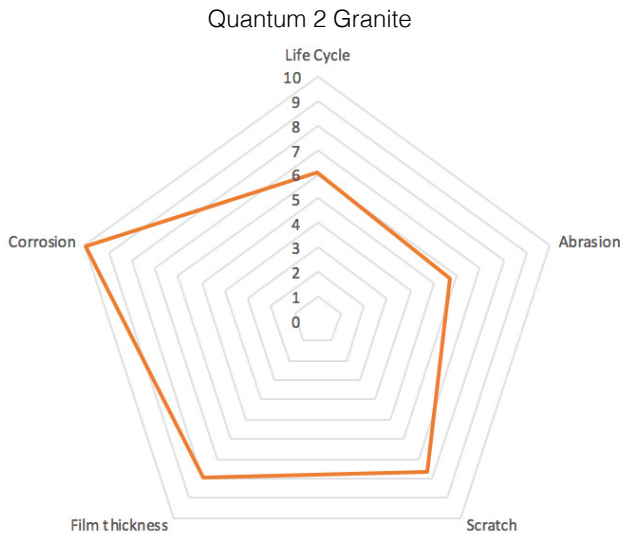
# Whitford Product Series Information

## Quantum2® Granite 71-931/ 72-932/ 73-933

### General

Quantum2 was the first step in Whitford's internally reinforced coatings. Formulated with a special blend of ceramic particles, and even with this internal reinforcement, Quantum2 maintains a smooth surface. It has great release and excellent durability.

Quantum2 Granite uses Whitford's unique spatter technology to offer an attractive granite aesthetic with improved hardness and great nonstick properties. The multi-colored spatters are in a single-coat spray application, which provides enhanced production efficiency.



### Information

Category	Cookware
Number of coats	3
Market level	Moderate
Interior/exterior	Interior
Application method	Spray
Carrier	Waterborne
Release agent	PTFE, made without PFOA
Surface preparation	Alkaline wash or grit blast
Reinforced	Yes
Cure Temperature	415°C / 780°F
Price/Performance ratio	Price Performance

### Performance

Dry Film Thickness (WTM 114A)	25 - 35 microns
Wet Reciprocating Abrasion Test (WTM 135G)	5,000 - 15,000
HFT/Scratch (WTM 137C)	4 - 6
Life Cycle Release Test (WTM 165N)	8,000 - 15,000
Continuous use temp.	260°C / 500°F

### Logo Options



- Black and white versions are permitted.
- Sticker/label available for placement on product.

### Substrates

Pressed Aluminum	Forged Aluminum	Cast Aluminum	Hard Anod. Aluminum	Stainless Steel	Carbon Steel	Aluminized Steel	Cast Iron
Minimum Gauge (mm)							
2.6	2.6	2.6	2.6	1.6	N/A	0.8	N/A
Y	Y	Y	Y	Y	N	Y	N

### Performance and/or Application Notes

All Whitford coatings are formulated to comply with the regulations in the region products will be sold.

**IMPORTANT NOTE: The performance data listed above is dependent on the coating being applied as per the parameters listed here and the criteria set on the Product Data Sheet for each coating. Proper application, including proper film thickness, surface prep and cure, are critical to this coating performing as it has been designed. Corrosion resistance will be optimum with all multi-coat nonstick systems, with proper application, as mentioned above.**

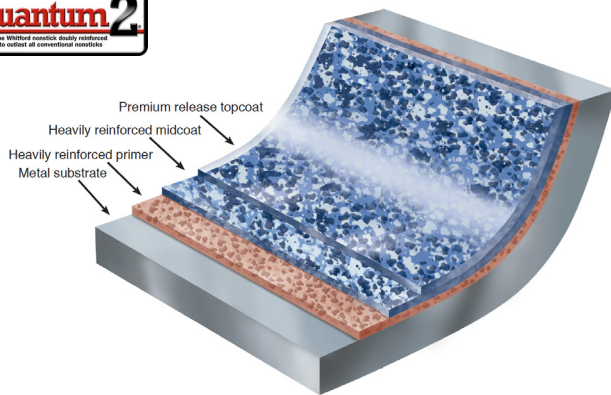
# Quantum2® Granite 71-931/ 72-932/ 73-933

## Regional Availability & Standard Product Codes

Location	N. America	EU	Asia	S. America
Primer 71-931		V7299	N11083	
Midcoat 72-932		V7281	N11084	
Topcoat 73-933		V7291	N11085	

Complete Whitford coating codes contain a product code following each series number (e.g., /K1458) which identifies the color and formulation information (including gloss, metallic flake, etc.).

## Marketing Features



- Quantum2 Granite is an internally reinforced, water-borne multicoat. It incorporates a unique mix of reinforcing particles blended into the coating so that Quantum2 is doubly reinforced to outlast all conventional nonsticks.
- The reinforcements in Quantum2 Granite provide resistance to wear and make the coating harder and more durable than conventional systems.
- Quantum2 Granite use Whitford's unique spatter technology to bring an attractive granite effect.
- Quantum2 Granite has improved hardness and great nonstick properties.
- Quantum2 Granite is made without PFOA.
- Quantum2 Granite is dishwasher-safe.
- Whitford coatings are formulated to comply with the food-contact regulations in the major markets for which they are intended.
- Quantum2 Granite has a continuous use temp of and is oven safe to 260°C/500°F.
- If using an active Whitford QCP approved factory, the logos and the cross-section illustration shown here are available for use on any promotional/package material.



GREAT RELEASE



EXCELLENT DURABILITY



CERAMIC REINFORCED



MADE WITHOUT PFOA



MADE WITHOUT PFOS



REGULATORY COMPLIANT



DISHWASHER SAFE



OVEN SAFE 500°F / 260°C



HEALTHFUL COOKING



EASY CLEAN

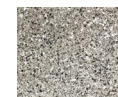
## Use and Care Recommendations

- Before using all cookware for the first time, wash it thoroughly with hot soapy water to ensure it is clean. Seasoning a nonstick pan is not required, but if desired for a deeper surface clean, lightly rub cooking oil on the surface, and then place over medium heat for 2 - 3 minutes. When it cools, wash the pan and rinse clean. It's ready to go!
- Always use low or medium heat when cooking food. This helps preserve the nutrients in food (many of which are fragile, and easily damaged when heated to extremes). It also helps preserve the nonstick surface.
- All nonsticks will last longer if you are careful not to stab the surface with a sharp point or cut foods with a knife while in the cookware.
- Do not overheat empty cookware. Always be sure that oil, water or food materials are in the cookware prior to heating it.

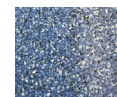
- Do not use cookware as a food storage container, which could encourage staining. It's better to keep cookware clean when not in use.
- Always allow cookware to cool before immersing in water.
- Your new cookware is perfectly safe to put in the dishwasher, but the surface is so easy to clean that handwashing does the trick.
- If the nonstick performance declines, it can be from residue built up on the surface. Other residue can form from misuse, such as burned grease or food residue. In either case, a deep cleaning of the nonstick surface can help restore the nonstick performance. You can try soaking overnight in hot soapy water, and then thoroughly washing the pan the next morning. For other cleaning recommendations, contact your product manufacturer or the coating supplier.

## Color Options

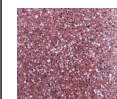
Due to the unique spatter technology, there are only 5 colors offered in this system.



Arctic Grey



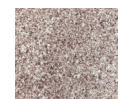
Blue Pearl



Ruby Red



Crystal Yellow



Rosy Pink

## For more information...

Selecting the right coating can be a challenging task. To review your options, and address any further questions you may have, please contact your Whitford representative.

# Whitford

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## Disclaimers...

The data presented here is a result of evaluating the application of the coating. This data does not reflect or indicate how the coating will perform in its intended use and is not a guarantee of specific performance. Nor shall they be construed as creating any express or implied warranty or any kind of description as to quality of performance of the finished product.