



		IMPACTA - SIZED TILES			IMPACTA - UN SIZED TILES		
		300 x 300 x 9.5mm 300 x 300 x 11.5mm 300 x 300 x 14.5mm			200 x 200 x 14.5mm 200 x 200 x 19.5mm		
PARAMETER		NORMS	STD VALUE	RESTILE VALUE	NORMS	STD VALUE	RESTILE VALUE
DIMENSIONAL PROPERTIES	1. Dimensions (Length & Width)	IS: 13756 Group: B1	± 0.20%	± 0.15%	IS: 13756 Group: B1	± 0.75%	± 0.60%
	2. Thickness	IS: 13756 Group: B1	± 4%	± 3%	IS: 13756 Group: B1	± 5%	± 3%
	3. Straightness of Sides	IS: 13756 Group: B1	± 0.3%	± 0.2%	IS: 13756 Group: B1	± 0.4%	± 0.3%
	4. Rectangularity (Squareness)	IS: 13756 Group: B1	± 0.3%	± 0.2%	IS: 13756 Group: B1	± 0.4%	± 0.3%
	5. Surface flatness a. Centre curvature	IS: 13756 Group: B1	± 0.3%	± 0.2%	IS: 13756 Group: B1	± 0.4%	± 0.3%
	b. Edge curvature	IS: 13756 Group: B1	± 0.3%	± 0.15%	IS: 13756 Group: B1	± 0.4%	± 0.25%
MECHANICAL PROPERTIES	c. Warpage	IS: 13756 Group: B1	± 0.30%	± 0.2%	IS: 13756 Group: B1	± 0.40%	± 0.3%
	6. Density	IS: 13756 Group: B1	Min 2.2 gr/cc	>2.2 gr/cc	IS: 13756 Group: B1	Min 2.2 gr/cc	>2.2 gr/cc
	7. Scratch hardness (MOHS)	IS: 13756 Group: B1	Min. 6	Min. 8	IS: 13756 Group: B1	Min. 6	Min. 8
	8. Flexural Strength (MOR)	IS: 13756 Group: B1	Min. 44 N/mm <sup>2</sup>	>45 N/mm <sup>2</sup>	IS: 13756 Group: B1	Min.44 N/mm <sup>2</sup>	>45 N/mm <sup>2</sup>
	9. Breaking (Compressive) Strength	IS: 13756 Group: B1	Min. 1500 N	Min. 2100 N	IS: 13756 Group: B1	Min 1500 N	Min 2500 N
CHEMICAL PROPERTIES	10. Impact Resistance	IS: 13756 Group: B1	Required	Excellent	IS: 13756 Group: B1	Required	Excellent
	11. Thermal Shock Resistance	IS: 13756 Group: B1	Min 10 cycles	Min 50 Cycles	IS: 13756 Group: B1	Min 10 Cycles	Min 50 cycles
	12. Water absorption	IS: 13756 Group: B1a	E ≤ 0.08%	≤ 0.05%	IS: 13756 Group: B1	0.08 < E < 3%	≤ 0.10%
	13. Acid (Except H.F) Resistance	IS: 13756 Group: B1	Required	Excellent	IS: 13756 Group: B1	Required	Excellent
	14. Alkali Resistance	IS: 13756 Group: B1	Required	Excellent	IS: 13756 Group: B1	Required	Excellent

Installation: A gap of 5-6 mm between tiles should be provided. Appropriate pointing material should be filled in the gap for better laying and performance. Depending on specific applications, bed mortar and pointing material of suitable specifications should be used.

**Packing Details**

Size	Nominal Thickness	No. of Tiles per Box	Area Covered
300mm x 300mm	9.5 mm / 11.5 mm / 14.5 mm	9 / 7 / 6 Pieces	8.7 / 6.8 / 5.8 sq. ft.
200mm x 200mm	14.5 mm	13 Pieces	5.6 sq. ft.
200mm x 100mm	19.5 mm	20 Pieces	4.3 sq. ft.

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Colours shown are as accurate as the limitations of the printing process will allow. Every effort has been made to ensure accuracy of the information given. Company reserves the right to change specifications without any prior notice.



**STRENGTH COMMANDS RESPECT**



**HEAVY DUTY FULLY VITRIFIED  
ACID AND ALKALI RESISTANT INDUSTRIAL TILES**



Industrial flooring is subjected to the harshest abuse like impact, abrasions, staining, acid, alkali spillages, dynamic and static loads besides general wear and tear. This is where Restile steps in with advanced Fulbody tiles that stand the test of time and abuse.

Restile Ceramics Limited...the company which pioneered Fulbody Vitrified tiles in India now offers Impacta, the ultimate industrial tile. It is known for strength, resistance to stains, flexural values, compressive strength, resistance to acids, alkalis and impact, as well as linear thermal expansion. And that, is Impacta which brings life-long durability for factory floors.

Impacta tiles are available in the following shades & sizes.

Beige	Steel Grey	Super Polo	Rust
			
300 x 300 x 9.5mm 300 x 300 x 11.5mm 300 x 300 x 14.5mm	300 x 300 x 9.5mm 300 x 300 x 11.5mm 300 x 300 x 14.5mm	300 x 300 x 9.5mm 300 x 300 x 11.5mm 300 x 300 x 14.5mm	300 x 300 x 9.5mm 300 x 300 x 11.5mm
			
200 x 100 x 19.5mm			
			
200 x 200 x 14.5mm	200 x 200 x 14.5mm	200 x 200 x 14.5mm	

**Restile**<sup>®</sup>  
The Original **FULBODY** Tiles

The colour reproduction is limited by the constraints of printing. Please ask for original samples.



Industrial giants have trusted Restile flooring tiles. From Pharma, Bulk Drugs, Food and Beverages, Hotels, Breweries, Distilleries, Battery Plants, DM Plants, Textiles, Hospitals, Dairies, etc. So grab this gigantic advantage. After all, we've covered over millions of square feet and are still expanding.



Prestigious organizations are pragmatic. Levers, Nestle, Coca-Cola, Pepsi, ABB, Sandvik Asia, Eveready, Lucent Technologies, Smith Kline Beecham, Glaxo, Bechtel, McDonalds, ITC Hotels, Leela Hotels, Oberoi Hotels, Hero Honda, Bajaj Auto, Ranbaxy, Dr.Reddy's, UB Industries, Shaw Wallace, Amaraja Batteries, Hindalco Industries, NTPC, ISRO and many more were prudent in their judgement of Restile tiles.



Impacta tiles which are heavy duty, fully vitrified, acid and alkali resistant are produced under strict quality controls at the modern plant of Restile at Hyderabad, using very superior quality raw materials. The process involves fine milling, spray drying, dry pressing at high pressures, firing under high temperature under exacting process parameters to ensure homogenous, dense and non-porous tiles. The process of manufacturing is fully automatic and microprocessor controlled. Impacta tiles conform to IS:13756.



**Impacta**<sup>®</sup>  
STRENGTH COMMANDS RESPECT