

1. Material description and composition

AST Medium Density Fibreboard Splashbacks are available in different variations & sizes, that can be used in combination for wall lining a wide variety of kitchen design layouts.

The 6 & 9mm thick panel system's is uniquely manufactured using a Medium Density Fibreboard substrate.

The panels are individual faced with Advanced Surface Technology applied to the front and rear of the substrate. The decor side is faced with Advanced Surface Technology with both a décor and a surface texture applied. The backside has a grey coating.

The panels are characterised by excellent rigidity and toughness but are light weight. This material evidence's good dimensional stability and is not susceptible to decay, rotting and other degeneration processes.

2. Types

Finishes: Various designs – See product brochure

Textures: Shell – See product brochure

Dimensions:



3. Technical data

DIMENSIONAL PROPERTIES		STRUCTURE	
Dimensions	3000 mm x 600 mm 1000 mm x 750 mm	1	Décor side/Front face: Digital print process and texture using advanced surface technology
Panel thickness	6.2 & 9.2 mm		
Tolerances:	Length: ± 1 mm	2	Core: Medium Density Fibreboard core material 6 & 9 mm ± 0.2 mm
	Width: ± 1.5 mm		
	Flatness: ≤ 1.5 mm/m	3	Rear face: Light grey balance coating

MECHANICAL PROPERTIES				
	STANDARDS	TESTING METHOD	UNIT	MINIMUM REQUIREMENT
Weight			kg/m ²	7.51 kg/m ²
Resistance to Impact (Small diameter ball)	EN 438-2-20		N	≥ 15
Resistance to Impact (Large diameter ball)	EN 438-2-21		mm	≥ 600
Resistance to Dry Heat	EN 438-2-16		Rating	4
Resistance to Wet Heat	EN 438-2-18		Rating	4
Resistance to Water Vapour (Steam)	EN 438-2-14		Rating	4
SURFACE PROPERTIES				
Resistance to Scratching	EN 438-2-25		Rating	≥ 2
Resistance to Staining – Group 1 (Acetone, Red Wine, Olive Oil, Water, Tomato paste, Sodium Chloride (15%), Sodium Chloride (5%), Citric acid (10%), Ethanol (96%), Ethanol (48%), Ethyl acetate)	EN 438-2-26		Rating	No Effect 5 (Test area indistinguishable from adjacent surrounding area)
Resistance to Staining – Group 2 (Coffee, Evaporated milk, Sodium carbonate (0.5%), Acetic acid (10%), Laundry marking ink (black))	EN 438-2-26		Rating	No Effect 5 (Test area indistinguishable from adjacent surrounding area)
Resistance to Staining – Group 3 (Kitchen cleaner (CIF), Sanitary cleaner)	EN 438-2-26		Rating	No Effect 5 (Test area indistinguishable from adjacent surrounding area)

4. Practical advice on the use of Nuance Engineered Panel Solutions

4.1 General

AST Medium Density Fibreboard Splashbacks are designed with decorative and functional properties for interior applications in kitchens with hob panel, within residential areas.

AST Medium Density Fibreboard Splashbacks must only be used indoors in normal conditions (18-25°C / 50-65% relative humidity).

The installation of **AST** Medium Density Fibreboard Splashbacks is covered by specific installation instructions and guidelines. Installation instructions are packed with every panel and are available at the brands website.

The bonding side of panels, designed for gluing on wall substrates should be clean, dry, and free of dust, oil, and grease. All **AST** Medium Density Fibreboard Splashbacks should be sealed where there is risk of water ingress reaching the wall surface.

The bonding to preliminary wall treatments is dependent on the type of treatment; always fully observe the instructions for use issued by the treatment manufacturer before applying **AST** Medium Density Fibreboard Splashbacks.

4.2 Storage and transportation

AST Medium Density Fibreboard Splashbacks must be stored on a horizontal, flat, level and sufficiently large base in a closed warehouse under normal indoor climatic conditions (-10 - +40°C and 50-65% relative humidity). In medium term storage the panels should always be covered, for example with a 18mm particle board panel. In addition, the panels should be protected from moisture and mechanical damage.

AST Medium Density Fibreboard Splashbacks should be transported on a horizontal, flat, level and sufficiently large base board with protection against slippage and side damage. In addition, the panels should be protected from moisture and mechanical damage.

In terms of transportation conditions, **AST** Medium Density Fibreboard Splashbacks are not deemed to be dangerous goods, so labelling is not necessary.

4.3 Conditioning

Before installing the panels, they should be stored for 24 hours at normal indoor temperature. (18 – 25°C; relative humidity 50-65%). These conditions should then be maintained in the room post installation and until the room is commissioned.

4.4 Wall conditioning

Walls must be dry, clean, stable, and flat.

AST Medium Density Fibreboard Splashbacks can be bonded to various types of plaster, gypsum and cement, plasterboard, fibreboard, various types of wood-based panels such as particleboard, MDF and OSB.

On stone and ceramic surfaces: clean thoroughly and key the surface before applying the panels.

More detailed information for use of **AST** Medium Density Fibreboard Splashbacks can be found in the installation instructions available packed with every panel or from the brands website.

4.5 Maintenance, Care and Cleaning

AST Medium Density Fibreboard Splashbacks are easy to maintain. On a day-to-day basis, wipe them down with a moist cloth and a mild detergent.

Do not apply waxes or polishing agents.

Do not use acidic, caustic, or abrasive cleaning detergents or materials to clean the AST surface.

Splashes, oil, and a buildup of grime should be removed and wiped clean.

Only use a soft microfiber cloth or a non-abrasive cloth.

Do not use; Detergent with bleach or home remedy solutions like baking soda or other stain removing powders.

4.6 Environmental and Health Aspects in Use

Observe normal health and safety rules when processing the panels in terms of weight, dust, and sharp edges.

After cutting, edges can be quite sharp, please ensure edges are deburred and wear appropriate PPE, when handling product.

During cutting there is a risk of sparks being generated when cutting. Please ensure appropriate measures are taken to prevent fire.

4.7 Waste disposal

AST Medium Density Fibreboard Splashbacks waste is classified in accordance with the regulation of the European Waste Catalogue (EWC) to the six-digit waste code EWC 20 01 38 and the waste definition "wood, from home, parks or gardens" and may be disposed of as domestic waste or commercial waste.

AST Medium Density Fibreboard Splashbacks is 100% recyclable after post consumption.

All the information contained in this technical data sheet is based on the latest technological know-how but does not constitute a guarantee. Indeed, we assume no guarantee of suitability for specific areas or purposes of application.