

Arathane® 5753TX and 5753TX2

Thickeners for use with Arathane® 5753 A/B (LV)

Arathane® 5753TX and 5753TX2 are thixotropic versions of the standard Arathane 5753B(LV) designed to allow the user to thicken Arathane® 5753 A/B(LV) system in varying degrees from a liquid to a paste consistency. The use of Arathane® 5753TX or 5753TX2 thixotropic agents with Arathane® 5753 A/B(LV) is often helpful in wire staking, vibration dampening, damming and glob-top applications as well as for bonding on vertical surfaces. Arathane® 5753TX is made with a hydrophobic, silane treated grade of fumed silica, while the Arathane® 5753TX2 is made with a hydrophilic, untreated fumed silica.

SUGGESTED APPLICATIONS:

- Non-sagging / non-slumping bonding or sealing applications
- For controlled flow under vacuum or during heat curing

HANDLING PROPERTIES	<u>VALUE</u>	<u>TEST METHOD</u>
Arathane® 5753TX		
Visual Appearance	Opaque, white paste*	
Density	0.90 g/cm ³	ASTM E-201
Viscosity	>1 million cps	ASTM D-2393
Flash Point	>200°C	ASTM D-92
Solids / Non-volatile Content	100%	
Shelf-life	6 months from date of shipment	
Arathane® 5753TX2		
Visual Appearance	Opaque, white paste	
Density	0.90 g/cm ³	ASTM E-201
Viscosity	~240,000 cps	ASTM D-2393
Flash Point	>200°C	ASTM D-92
Solids / Non-volatile Content	100%	
Shelf-life	6 months from date of shipment	

*Also available in Black or custom colors by request.

MIX RATIOS, VISCOSITIES AND CURED HARDNESSES:

Arathane® 5753B(LV)	100	90	80	67	60	50	35	25	0
Arathane® 5753TX or TX2	0	10	20	33	40	50	65	75	100
Arathane® 5753A	20	20	19.5	19	19	18.5	18.5	18	17
Viscosities using 5753TX at above ratios:									
Initial viscosity @ 1rpm	6,000	7,600	39,000	64,800	88,000	270,000	576,000	848,000	1,740,000
Initial viscosity @ 10 rpm	6,050	7,140	16,080	25,280	31,200	64,500	134,000	194,000	345,600
Thixotropic Index (1rpm/10rpm)	0.99	1.06	2.43	2.56	2.82	4.19	4.30	4.37	5.03
Cured Shore A Hardness	55	55	55	55 - 56	56	56	57	58	59
Viscosities using 5753TX2 at above ratios:									
Initial viscosity @ 1rpm	6,000			15,800					154,000
Initial viscosity @ 10 rpm	6,050			14,780					137,400
Thixotropic Index (1rpm/10rpm)	0.99			1.07					1.12

PROCESSING AND APPLICATION INSTRUCTIONS :

To use, weigh 5753B(LV) (if called for), 5753TX or 5753TX2 and then 5753A into a clean mixing container. Mixing containers should preferably be made of polypropylene, polyethylene, glass, or non-corroding metal. (Stainless steel, aluminum, etc.). Always use weighing equipment having accuracy that is $\pm 1\%$ or less of the smallest quantity that you will be weighing. Blend all parts thoroughly by using a spatula or stirring stick for at least 2 minute using a kneading motion. Scrape the bottom and sides of the mixing container carefully and frequently to produce a uniform mixture. Vacuum de-gassing after mixing may be helpful for best electrical and physical properties.

If you regularly use the same ratio of the 5753B(LV) and 5753TX or 5753TX2, you can make a stable pre-blend of the 5753TX or 5753TX2 and 5753B(LV) in advance and then just use portions of the blended material as necessary with the 5753A. If stored in a tightly closed container away from moisture, the blended 5753B(LV)/5753TX or 5753TX2 combination will have a shelf-life of 6 months from the original ship date of the older component.

For best results, apply to clean, dry surfaces. For best adhesion, abrade the surface with a wire brush, scouring pad, steel wool or coarse sand paper. After abrasion, clean the surface of any loose material and degrease with solvent or detergent to remove any contaminants. The material may then be applied with any suitable application method include brushes, spatulas, trowels, etc.

PACKAGING AVAILABLE:

This product is available in kits including 3-part quart kits [140 grams 5753A, 441 grams 5753B(LV), & 294 grams 5753TX or 5753TX2] or mini kits (of 170 grams total).

The 5753TX and 5753TX2 can also be purchased separately from the 5753A& 5753B(LV) in pint containers (294 grams net weight) or in larger sizes by request.

Please call use with any special packaging requests or for information on custom kitting.

STORAGE GUIDELINES:

Store this product in a clean and dry environment in its tightly closed original container. Store at 18°C (64°F) - 40°C (105°F) for best shelf-life. Crystallization may occur if the material is exposed to cold for extended periods.

HANDLING PRECAUTIONS:

Mandatory and recommended industrial hygiene procedures should be followed whenever these products are being handled and processed. For additional information please consult the corresponding material safety data sheets.

PERSONAL HYGIENE:

ARATHANE® 5753TX or 5753TX2

Caution! May cause eye irritation. Prolonged or repeated skin contact may cause irritation and may cause allergic skin reaction. Harmful if inhaled. Harmful if swallowed. Work in a well-ventilated area and use clean, dry tools for mixing and applying. For two component systems, combine the resin and hardener according to mix ratio. Mix together thoroughly and use immediately after mixing. Material temperature should not be below 65°F (18°C) when mixing.

FIRST AID

In case of contact:

Skin – Immediately wash skin thoroughly with mild soap and water. Remove contaminated clothing and wash before reuse. Destroy contaminated shoes and other articles made of leather.

Eyes – Immediately flush eyes with plenty of water for 15 minutes and get prompt medical attention.

Product Datasheet



Inhalation - Remove person to fresh air. Administer oxygen or artificial respiration if necessary. Call a physician.

Ingestion - Do not induce vomiting. Dilute with plenty of water and contact physician immediately. Never give anything by mouth to an unconscious person.

DISCLAIMER:

IMPORTANT: The following supercedes Buyer's documents. SELLER / MANUFACTURER MAKES NO REPRESENTATION OR WARRANTY, EXPRESS OR IMPLIED, INCLUDING OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. No statements herein are to be construed as inducements to infringe any relevant patent. Under no circumstances shall Seller / Manufacturer be liable for incidental, consequential or indirect damages for alleged negligence, breach of warranty, strict liability, tort or contract arising in connection with the product(s). Buyer's sole remedy and Seller's sole liability for any claims shall be Buyer's purchase price. Data and results presented are based on controlled or laboratory work and must be confirmed by Buyer by testing for its intended conditions of use. The product(s) has not been tested for, and is therefore not recommended for, uses for which prolonged contact with mucous membranes, abraded skin, or blood is intended; or for uses for which implantation within the human body is intended

*Arathane® is a registered trademark of Huntsman Advanced Materials and is used under license. SP&S is the Authorized Manufacturer of Arathane® 5753TX and 5753TX2 and the Authorized Distributor for Arathane® 5753A/B(LV).

Specialty Polymers & Services, Inc. (SP&S)

27822 Fremont Court Valencia, CA 91355

www.spolymers.com info@spolymers.com

Tel: 661-294-1790

Fax: 661-294-0640